

JESS Thermodynamic Database v8.9

Holmium

24-Jan-23

Reaction No. 2683							
F-1 + Ho+3 = Ho+3_F-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:4.53(3SF)	4	CRV	2556
2	25	0	Inf. Dilution	lgK:4.57(3SF)	4	EOD	7141
3	25	0	Inf. Dilution	lgK:3.95(3SF)	3	CRV	8781
4	25	0	Inf. Dilution	lgK:4.16(3SF)	4	EDH	8917
5	25	0	Inf. Dilution	lgK:4.30(0.30SD)	4	CRV	32222
6	25	0.015	NaClO4	lgK:4.01(3SF)	5	MCE	15996
7	25	0.025	HNO3	lgK:3.74(0.02SD)	4	MCE	8221
8	25	0.1	NaClO4	lgK:3.618(0.003SD)	6	MCE	15996
9	25	0.1	Unknown	lgK:3.89(3SF)	6	CRV	552
10	25	0.4	NaClO4	lgK:3.428(0.004SD)	6	MCE	15996
11	25	0.5	NH4NO3	lgK:3.31(0.02SD)	4	MIS	5387
12	25	0.5	Unknown	lgK:3.50(3SF)	6	CRV	552
13	25	0.68	NaClO4	lgK:3.27(3SF)	5	EFE	8917
14	25	0.7	NaClO4	lgK:3.349(0.011SD)	6	MCE	15996
15	25	1	NaCl	lgK:3.243(0.02SD)	5	MPT	5385
16	25	1	NaClO4	lgK:3.5(0.05SD)	4	MRX	437
17	25	1	Unknown	lgK:3.52(3SF)	5	EMU	5398
18	25	1	Unknown	lgK:3.52(3SF)	5	CRV	6761
19	25	1.5	NaClO4	lgK:3.370(0.006SD)	6	MCE	15996
20	25	3	NaClO4	lgK:3.475(0.006SD)	6	MCE	15996
21	25	5	NaClO4	lgK:3.733(0.006SD)	6	MCE	15996
22	25	6	NaClO4	lgK:3.845(4SF)	5	MCE	15996
23	25	0	Inf. Dilution	dH:25.932(6.462SD) kJ	4	CRV	32222
24	25	1	NaClO4	dH:7.(1.SD)	0	MCL	437
25	25	1	NaClO4	dH:10.0(0.05SD) kJ	5	MCL	5146
26	25	1	Unknown	dH:2.4(2SF)	6	CRV	552
27	25	1	Unknown	dH:7.26(3SF)	0	CRV	6761

Reaction No. 5492							
EDTA-4 + Ho+3 = Ho+3_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.01	Unknown	lgK:18.73(4SF)	2	MGL	140
2	20	0.1	KCl	lgK:17.67(4SF)	0	MGL	140
3	20	0.1	KCl	lgK:18.1(3SF)	4	MGL	140
4	20	0.1	KCl	lgK:18.05(4SF)	3	MPL	140
5	20	0.1	KCl	lgK:18.1(0.05SD)	5	MGL	903
6	20	0.1	KCl	lgK:18.46(4SF)	2	MPL	903
7	20	0.1	KNO3	lgK:18.74(4SF)	0	MPL	140
8	20	0.1	KNO3	lgK:18.31(4SF)	3	MPL	140
9	20	0.1	KNO3	lgK:18.7(0.07SD)	0	MPL	903
10	20	0.1	KNO3	lgK:18.42(4SF)	2	ENS	2373
11	20	0.1	Unknown	lgK:18.(0.3SD)	7	EIU	903
12	23			lgK:18.(0.5SD)	4	MEP	906
13	25	0	Inf. Dilution	lgK:20.84(4SF)	1	EOR	
14	25	0.1	KCl	lgK:18.04(4SF)	3	MIX	140
15	25	0.1	KCl	lgK:18.45(4SF)	2	MIX	903
16	25	0.1	KNO3	lgK:18.60(4SF)	0	EIE	1492
17	25	0.5	NaClO4	lgK:17.1(0.06SD)	5	MGL	2650
18	25	0.1	KNO3	dH:-1.36(3SF)	4	MCL	903
19	25	0.44	NaNO3	dH:-3.1(2SF)	4	MCL	903
20	25	0.5	NaClO4	dH:-16.4(0.5SD) kJ	4	MCL	2651
21	25	1	Unknown	dH:-4.1(2SF)	6	CRV	552

Reaction No. 5493							
Ho+3_EDTA-4 + H+1 = Ho+3_H+1_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.01	KCl	lgK:1.0(2SF)	6	MGL	2333
2	25	0.1	KCl	lgK:1.0(0.1SD)	7	EIU	903

Reaction No. 5734							
Ser-1 + Ho+3 = Ho+3_Ser-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaNO3	lgK:4.00(3SF)	5	MGL	905

Reaction No. 6657							
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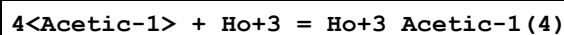
Acetic-1 + Ho+3 = Ho+3_Acetic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	1.5	2	NaClO4	lgK:1.568 (4SF)	3	MSP	4629
2	20	0.1	NaClO4	lgK:2.01 (3SF)	4	MGL	999
3	20	2	NaClO4	lgK:1.63 (0.02SD)	5	MQH	999
4	21	2	NaClO4	lgK:1.75 (3SF)	3	MSP	2389
5	21	2	NaClO4	lgK:1.716 (4SF)	5	MSP	4629
6	21	2	NaClO4	lgK:1.633 (4SF)	5	MPT	4629
7	25	0	Inf. Dilution	lgK:2.788 (4SF)	1	EOR	
8	25	0.1	Unknown	lgK:1.81 (3SF)	3	EOD	31112
9	25	3	NaClO4	lgK:1.67 (3SF)	3	ENS	5483
10	40	2	NaClO4	lgK:1.813 (4SF)	5	MSP	4629
11	50	2	NaClO4	lgK:1.892 (4SF)	5	MSP	4629
12	60	2	NaClO4	lgK:1.944 (4SF)	5	MSP	4629
13	1.5:60	2	NaClO4	dH:2.7 (0.1SD)	5	MCL	4629
14	25	3	NaClO4	dH:3.167 (4SF)	5	MCL	5483

Reaction No. 6658							
2<Acetic-1> + Ho+3 = Ho+3_Acetic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	1.5	2	NaClO4	lgK:2.708 (4SF)	5	MSP	4629
2	20	0.1	NaClO4	lgK:3.60 (3SF)	5	MGL	514
3	20	2	NaClO4	lgK:2.9 (0.04SD)	4	MQH	999
4	21	2	NaClO4	lgK:2.94 (3SF)	5	MSP	2389
5	21	2	NaClO4	lgK:2.898 (4SF)	5	MSP	4629
6	21	2	NaClO4	lgK:2.863 (4SF)	5	MPT	4629
7	25	0	Inf. Dilution	lgK:4.801 (4SF)	1	EOR	
8	25	3	NaClO4	lgK:2.92 (3SF)	5	ENS	5483
9	40	2	NaClO4	lgK:3.09 (3SF)	5	MSP	4629
10	50	2	NaClO4	lgK:3.161 (4SF)	5	MSP	4629
11	60	2	NaClO4	lgK:3.265 (4SF)	5	MSP	4629
12	1.5:60	2	NaClO4	dH:1.3 (0.2SD)	5	MCL	4629
13	25	3	NaClO4	dH:5.009 (4SF)	5	MCL	5483

Reaction No. 6659							
3<Acetic-1> + Ho+3 = Ho+3_Acetic-1(3)							

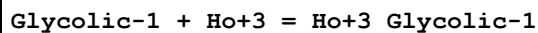
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	1.5	2	NaClO4	lgK:3.231 (4SF)	5	MSP	4629
2	20	2	NaClO4	lgK:3.8 (0.07SD)	4	MQH	999
3	21	2	NaClO4	lgK:3.65 (3SF)	5	MSP	2389
4	21	2	NaClO4	lgK:3.681 (4SF)	5	MSP	4629
5	21	2	NaClO4	lgK:3.748 (4SF)	5	MPT	4629
6	25	0	Inf. Dilution	lgK:5.8 (4SF)	1	EOR	
7	25	3	NaClO4	lgK:3.80 (3SF)	5	ENS	5483
8	40	2	NaClO4	lgK:3.756 (4SF)	5	MSP	4629
9	50	2	NaClO4	lgK:3.863 (4SF)	5	MSP	4629
10	60	2	NaClO4	lgK:3.996 (4SF)	5	MSP	4629
11	1.5:60	2	NaClO4	dH:1. (0.7SD)	5	MCL	4629
12	25	3	NaClO4	dH:4.533 (4SF)	5	MCL	5483

Reaction No. 6660



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	1.5	2	NaClO4	lgK:3.633 (4SF)	5	MSP	4629
2	20	2	NaClO4	lgK:3.6 (2SF)	4	MQH	999
3	21	2	NaClO4	lgK:3.99 (3SF)	5	MSP	2389
4	21	2	NaClO4	lgK:3.6 (2SF)	3	MPT	2389
5	21	2	NaClO4	lgK:3.934 (4SF)	5	MSP	4629
6	40	2	NaClO4	lgK:4.204 (4SF)	5	MSP	4629
7	50	2	NaClO4	lgK:4.398 (4SF)	5	MSP	4629
8	60	2	NaClO4	lgK:4.533 (4SF)	5	MSP	4629

Reaction No. 6765



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:2.991 (4SF)	5	MGL	999
2	20	2	NaClO4	lgK:2.54 (3SF)	6	MQH	999
3	21	2	NaClO4	lgK:2.504 (4SF)	6	MSP	4629
4	21	2	NaClO4	lgK:2.544 (4SF)	6	MPT	4629
5	25	2	NaClO4	lgK:2.49 (3SF)	6	MGL	2130
6	25	2	NaClO4	lgK:2.462 (4SF)	6	MGL	3749
7	25	2	NaClO4	dH:-0.33 (2SF) kJ	5	MCL	7703

Reaction No. 6766							
2<Glycolic-1> + Ho+3 = Ho+3_Glycolic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:5.04 (3SF)	5	MGL	999
2	20	2	NaClO4	lgK:4.48 (3SF)	6	MQH	999
3	21	2	NaClO4	lgK:4.60 (3SF)	6	MSP	4629
4	21	2	NaClO4	lgK:4.477 (4SF)	6	MPT	4629
5	25	2	NaClO4	lgK:4.53 (3SF)	5	MGL	2130
6	25	2	NaClO4	lgK:4.41 (3SF)	5	MGL	3749
7	25	2	NaClO4	dH:-2.01 (3SF) kJ	5	MCL	7703

Reaction No. 6767							
3<Glycolic-1> + Ho+3 = Ho+3_Glycolic-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:6.57 (3SF)	5	MGL	999
2	20	2	NaClO4	lgK:5.9 (2SF)	4	MQH	999
3	21	2	NaClO4	lgK:5.809 (4SF)	6	MSP	4629
4	21	2	NaClO4	lgK:5.908 (4SF)	6	MPT	4629
5	25	2	NaClO4	dH:-12.05 (4SF) kJ	5	MCL	7703

Reaction No. 6768							
4<Glycolic-1> + Ho+3 = Ho+3_Glycolic-1(4)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	2	NaClO4	lgK:6.4 (2SF)	4	MQH	999
2	21	2	NaClO4	lgK:6.625 (4SF)	4	MSP	4629
3	21	2	NaClO4	lgK:6.431 (4SF)	4	MSP	4629

Reaction No. 6769							
5<Glycolic-1> + Ho+3 = Ho+3_Glycolic-1(5)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	2	NaClO4	lgK:6.5 (2SF)	4	MQH	999

Reaction No. 6770							
Ho+3_Glycolic-1 + Glycolic-1 = Ho+3_Glycolic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:2.05 (3SF)	5	MGL	11516
Note (1): Powell J et al., Rare Earth Research II, 1964, 512							

2	20	2	NaClO4	lgK:1.94 (3SF)	5	MQH	11516
Note (2): Sonesson A, Acta Chem. Scand., 1959, 13, 1437							
3	21	2	NaClO4	lgK:2.10 (3SF)	5	MSP	4629
4	25	2	NaClO4	lgK:2.04 (3SF)	6	MGL	2130
5	25	2	NaClO4	lgK:1.954 (4SF)	6	MGL	3749

Reaction No. 6771							
Ho+3_Glycolic-1(2) + Glycolic-1 = Ho+3_Glycolic-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	2	NaClO4	lgK:1.38 (3SF)	6	MGL	2130
2	25	2	NaClO4	lgK:1.255 (4SF)	6	MGL	3749

Reaction No. 7079							
Malonic-2 + Ho+3 = Ho+3_Malonic-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:4.389 (4SF)	6	MGL	4388
2	25	1	NaClO4	lgK:3.83 (3SF)	6	MGL	999

Reaction No. 7080							
2<Malonic-2> + Ho+3 = Ho+3_Malonic-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:6.968 (4SF)	6	MGL	4388
2	25	1	NaClO4	lgK:6.37 (3SF)	6	MGL	999

Reaction No. 7081							
3<Malonic-2> + Ho+3 = Ho+3_Malonic-2(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:7.67 (3SF)	6	MGL	999

Reaction No. 7267							
Propanoic-1 + Ho+3 = Ho+3_Propanoic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	0.5	2	NaClO4	lgK:1.623 (4SF)	5	MSP	4629
2	20	0.1	NaClO4	lgK:1.96 (3SF)	6	MGL	999
3	21	2	NaClO4	lgK:1.771 (4SF)	5	MSP	4629
4	21	2	NaClO4	lgK:1.623 (4SF)	5	MPT	4629
5	25	0	Inf. Dilution	lgK:2.647 (4SF)	1	EOR	

6	25	2	NaClO4	lgK:1.62 (3SF)	5	MGL	11516
Note (6): Choppin G et al., Inorg. Chem., 1965, 4, 1254							
7	40	2	NaClO4	lgK:1.949 (4SF)	5	MSP	4629
8	50	2	NaClO4	lgK:2.045 (4SF)	5	MSP	4629
9	60	2	NaClO4	lgK:2.061 (4SF)	5	MSP	4629
10	0.5:60	2	NaClO4	dH:3. (0.2SD)	5	MCL	4629

Reaction No. 7268							
Ho+3_Propanoic-1 + Propanoic-1 = Ho+3_Propanoic-1 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:1.50 (3SF)	6	MGL	999
2	21	2	NaClO4	lgK:1.22 (3SF)	3	MSP	4629
3	25	2	NaClO4	lgK:1.2 (0.05SD)	3	MGL	999
4	25	2	NaClO4	lgK:1.23 (3SF)	3	MGL	11516
Note (4): Choppin G et al., Inorg. Chem., 1965, 4, 1254							

Reaction No. 7294							
3OHPropan-1 + Ho+3 = Ho+3_3OHPropan-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	2	NaClO4	lgK:1.48 (3SF)	6	MGL	999

Reaction No. 7431							
Lactic-1 + Ho+3 = Ho+3_Lactic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:3.021 (4SF)	6	MGL	999
2	21	2	NaClO4	lgK:2.72 (3SF)	5	MSP	4630
3	25	0.2	NaClO4	lgK:2.73 (3SF)	6	MGL	999
4	25	2	NaClO4	lgK:2.71 (3SF)	6	MGL	2130

Reaction No. 7432							
Ho+3_Lactic-1 + Lactic-1 = Ho+3_Lactic-1 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:2.40 (3SF)	5	MGL	11516
Note (1): Powell J et al., Rare Earth Research II, 1964							
2	21	2	NaClO4	lgK:2.19 (3SF)	5	MSP	4630
3	25	0.2	NaClO4	lgK:2.30 (3SF)	6	MGL	999
4	25	2	NaClO4	lgK:2.26 (3SF)	6	MGL	2130

Reaction No. 7433							
Ho+3_Lactic-1(2) + Lactic-1 = Ho+3_Lactic-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	NaClO4	lgK:1.27(3SF)	6	MGL	999
2	25	2	NaClO4	lgK:1.58(3SF)	6	MGL	2130

Reaction No. 7434							
Ho+3_Lactic-1(3) + Lactic-1 = Ho+3_Lactic-1(4)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	NaClO4	lgK:0.67(2SF)	6	MGL	999

Reaction No. 7435							
2<Lactic-1> + Ho+3 = Ho+3_Lactic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:5.42(3SF)	6	MGL	999
2	21	2	NaClO4	lgK:4.91(3SF)	5	MSP	4630
3	25	0.2	NaClO4	lgK:5.03(3SF)	5	MGL	11516
Note (3): Deelstra H et al., Anal. Chim. Acta, 1964, 31, 251							
4	25	2	NaClO4	lgK:4.97(3SF)	5	MQH	7703

Reaction No. 7436							
3<Lactic-1> + Ho+3 = Ho+3_Lactic-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:6.83(3SF)	6	MGL	999
2	25	2	NaClO4	lgK:6.55(3SF)	5	MQH	7703

Reaction No. 7713							
DTTAP-5 + Ho+3 = Ho+3_DTTAP-5							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:19.(0.3SD)	3	MGL	1067

Reaction No. 7714							
Ho+3 + H+1_DTTAP-5 = Ho+3_H+1_DTTAP-5							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:13.(0.3SD)	3	MGL	1067

Reaction No. 9171							
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NTA-3 + Ho+3 = Ho+3_NTA-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	15	0.1	KNO3	lgK:11.87(4SF)	5	MGL	1118
2	20	0.1	KNO3	lgK:11.78(4SF)	6	CMN	1118
3	20	0.1	KNO3	lgK:11.85(4SF)	5	MGL	1118
4	20	0.1	KNO3	lgK:11.75(4SF)	5	MPL	1118
5	25	0	Inf. Dilution	lgK:13.53(4SF)	4	EDH	8698
6	25	0.1	K+1 salt	lgK:11.8(0.1SD)	5	CRV	552
7	25	0.1	KNO3	lgK:11.90(4SF)	5	MGL	1118
8	25	0.1	NaClO4	lgK:11.66(4SF)	5	MMC	8698
9	25	0.5	NaClO4	lgK:11.6(0.09SD)	0	MGL	2650
Note (9): Suspect other species							
10	25	0.7	NaClO4	lgK:10.57(4SF)	5	MMC	8698
11	25	1	NaClO4	lgK:10.33(4SF)	5	MMC	8698
12	25	2	NaClO4	lgK:10.36(4SF)	5	MMC	8698
13	25	3	NaClO4	lgK:10.42(4SF)	5	MMC	8698
14	25	5	NaClO4	lgK:11.08(4SF)	5	MMC	8698
15	30	0.1	KNO3	lgK:11.96(4SF)	5	MGL	1118
16	35	0.1	KNO3	lgK:11.95(4SF)	5	MGL	1118
17	40	0.1	KNO3	lgK:12.00(4SF)	5	MGL	1118
18	20	0.1	KNO3	dH:0.543(3SF)	5	MCL	1118
19	25	0.1	Unknown	dH:0.5(1SF)	5	CRV	552
20	25	0.5	NaClO4	dH:0.96(0.38SD) kJ	6	MCL	2651

Reaction No. 9172							
Ho+3_NTA-3 + NTA-3 = Ho+3_NTA-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	15	0.1	KNO3	lgK:9.52(3SF)	5	MGL	1118
2	20	0.1	KNO3	lgK:9.41(3SF)	6	CMN	1118
3	20	0.1	KNO3	lgK:9.41(3SF)	5	MGL	1118
4	20	1	KNO3	lgK:8.30(3SF)	5	MGL	11516
Note (4): Gfeller Y et al., Inorg. Chim. Acta, 1978, 29, 217							
5	25	0.1	KNO3	lgK:9.35(3SF)	5	MGL	1118
6	30	0.1	KNO3	lgK:9.31(3SF)	5	MGL	1118
7	35	0.1	KNO3	lgK:9.21(3SF)	5	MGL	1118
8	40	0.1	KNO3	lgK:9.19(3SF)	5	MGL	1118

Reaction No. 9250							
Ho+3_NTA-3 + Citric-3 = Ho+3_Citric-3_NTA-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:4.5 (2SF)w	4	MPH	1118

Reaction No. 9374							
Ho+3_EDTA-4 + NTA-3 = Ho+3_NTA-3_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:3.95 (3SF)	5	MGL	1118
2	25	0	Inf. Dilution	lgK:4.1 (2SF)	1	ESC	
3	20	0.1	KNO3	dH:-8.06 (3SF)	5	MCL	1118

Reaction No. 10266							
Ho+3 + H+1_3SHPropan-2 = Ho+3_H+1_3SHPropan-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	2	NaClO4	lgK:1.46 (3SF)	6	MGL	3234
2	31	2	NaClO4	lgK:1.7 (0.05SD)	3	MGL	999
3	25	2	NaClO4	dH:3.2 (0.07SD)	5	MCL	3234

Reaction No. 10410							
Maleic-2 + Ho+3 = Ho+3_Maleic-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:3.67 (0.01SD)	5	MGL	906
2	25	0.1	NaClO4	lgK:3.67 (0.01SD)	6	MGL	999
3	25	1	NaClO4	lgK:2.89 (3SF)	6	MGL	999

Reaction No. 10411							
Ho+3_Maleic-2 + Maleic-2 = Ho+3_Maleic-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.02 (0.02SD)	4	MGL	999
2	25	1	NaClO4	lgK:1.78 (3SF)	5	MGL	7770

Reaction No. 10434							
2<Maleic-2> + Ho+3 = Ho+3_Maleic-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:5.69 (3SF)	3	MGL	11516

Note (1): Roulet R et al., Helv. Chim. Acta, 1970, 53, 1876							
2	25	1	NaClO4	lgK:4.67 (3SF)	6	MGL	999

Reaction No. 10442							
Fumaric-2 + Ho+3 = Ho+3_Fumaric-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.80 (0.02SD)	4	MGL	999
2	25	0.1	NaClO4	lgK:2.51 (0.02SD)	6	MGL	3848

Reaction No. 10530							
Diglycol-2 + Ho+3 = Ho+3_Diglycol-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	1	NaClO4	lgK:5.40 (3SF)	6	MPT	999
2	20	1	NaClO4	lgK:5.28 (3SF)	6	MQH	23149
3	25	0	Inf. Dilution	lgK:5.4 (2SF)	1	ESC	6422

Reaction No. 10531							
2<Diglycol-2> + Ho+3 = Ho+3_Diglycol-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	1	NaClO4	lgK:10.07 (4SF)	6	MPT	999
2	20	1	NaClO4	lgK:9.95 (3SF)	6	MQH	23149
3	25	0	Inf. Dilution	lgK:10.1 (3SF)	1	ESC	6422

Reaction No. 10532							
3<Diglycol-2> + Ho+3 = Ho+3_Diglycol-2 (3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	1	NaClO4	lgK:13.46 (4SF)	5	MPT	999
2	20	1	NaClO4	lgK:13.31 (4SF)	5	MQH	23149
3	25	0	Inf. Dilution	lgK:13.5 (3SF)	1	ESC	6422

Reaction No. 10592							
Malic-2 + Ho+3 = Ho+3_Malic-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:4.61 (0.02SD)	5	MGL	6670
2	25	0.1	NaClO4	lgK:4.90 (0.02SD)	4	MGL	999

Reaction No. 10593							
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Ho+3_Malic-2 + Malic-2 = Ho+3_Malic-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:3.00(3SF)	5	MGL	11516
Note (1): Samir A et al., Zhur. Neorg. Khim., 1980, 25, 2977							
2	25	0.1	NaClO4	lgK:3.4(0.05SD)	4	MGL	999

Reaction No. 10630							
Tartaric-2 + Ho+3 = Ho+3_Tartaric-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	9	0	Inf. Dilution	lgK:5.10(3SF)	5	MSP	3088
2	18	0	Inf. Dilution	lgK:5.11(3SF)	5	MSP	3088
3	23:25	0.2	KCl	lgK:3.38(0.01SD)	5	MGL	4446
4	25	0	Inf. Dilution	lgK:5.17(3SF)	5	MGL	906
5	25	0	Inf. Dilution	lgK:5.14(3SF)	5	MSP	3088
6	25	0.05	Unknown	lgK:4.14(0.01SD)	5	MGL	906
7	25	0	Inf. Dilution	dH:0.9(0.8SD)	5	MTD	3088
8	25	0	Ethanol:Water 25:75Wgt Inf. Dilution	lgK:6.03(3SF)	5	MGL	906
9	25	0.05	Ethanol:Water 25:75Wgt Unknown	lgK:4.8(0.03SD)	5	MGL	906
10	25	0	Ethanol:Water 40:60Wgt Inf. Dilution	lgK:6.46(3SF)	5	MGL	906
11	25	0.05	Ethanol:Water 40:60Wgt Unknown	lgK:5.0(0.07SD)	5	MGL	906

Reaction No. 10713							
IButanoic-1 + Ho+3 = Ho+3_IButanoic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:1.70(3SF)	6	MGL	999
2	25	2	NaClO4	lgK:1.6(0.03SD)	4	MGL	999
3	25	2	NaClO4	dH:5.3(0.1SD)	5	MCL	999

Reaction No. 10714							
2<IButanoic-1> + Ho+3 = Ho+3_IButanoic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:2.92(3SF)	6	MGL	999

2	25	2	NaClO4	lgK:2.84 (3SF)	5	MGL	11516
Note (2): Choppin G et al., Inorg. Chem., 1965, 4, 1254							
3	25	2	Unknown	dH:7.9 (2SF)	3	CRV	7271

Reaction No. 10715							
Ho+3_IButanoic-1 + IButanoic-1 = Ho+3_IButanoic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:1.22 (3SF)	5	MGL	11516
Note (1): Stagg R et al., Inorg. Chem., 1964, 3, 242							
2	25	2	NaClO4	lgK:1.2 (0.05SD)	3	MGL	999
3	25	2	NaClO4	dH:2.6 (0.2SD)	5	MCL	999

Reaction No. 10847							
2OH2MePropan-1 + Ho+3 = Ho+3_2OH2MePropan-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:3.314 (4SF)	6	MGL	999
2	25	0.2	NaClO4	lgK:3.0 (0.08SD)	4	MGL	999
3	25	0.5	NaClO4	lgK:2.98 (3SF)	6	MGL	999
4	25	2	NaClO4	lgK:3.06 (3SF)	6	MGL	2130

Reaction No. 10848							
2<2OH2MePropan-1> + Ho+3 = Ho+3_2OH2MePropan-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:5.98 (3SF)	6	MGL	999
2	25	0.2	NaClO4	lgK:5.54 (3SF)	5	MGL	7703
3	25	0.5	NaClO4	lgK:5.42 (3SF)	6	MGL	999
4	25	2	NaClO4	lgK:5.64 (3SF)	5	MQH	7703

Reaction No. 10849							
3<2OH2MePropan-1> + Ho+3 = Ho+3_2OH2MePropan-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:7.96 (3SF)	6	MGL	999
2	25	0.2	NaClO4	lgK:7.44 (3SF)	5	MGL	7703
3	25	0.5	NaClO4	lgK:7.41 (3SF)	6	MGL	999
4	25	2	NaClO4	lgK:7.67 (3SF)	5	MQH	7703

Reaction No. 10919							
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Ho+3_2OH2MePropan-1 + 2OH2MePropan-1 = Ho+3_2OH2MePropan-1 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	NaClO4	lgK:2.6(0.09SD)	4	MGL	999
2	25	2	NaClO4	lgK:2.59(3SF)	6	MGL	2130

Reaction No. 10920							
Ho+3_2OH2MePropan-1 (2) + 2OH2MePropan-1 = Ho+3_2OH2MePropan-1 (3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	NaClO4	lgK:1.9(0.1SD)	3	MGL	999
2	25	2	NaClO4	lgK:2.03(3SF)	6	MGL	2130

Reaction No. 11048							
Asp-2 + Ho+3 = Ho+3_Asp-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:5.9(0.04SD)	4	MGL	999
2	30	0.1	NaClO4	lgK:6.36(3SF)	0	MGL	999
3	30	0.1	NaClO4	lgK:5.68(3SF)	5	MGL	2261

Reaction No. 11049							
2<Asp-2> + Ho+3 = Ho+3_Asp-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:10.8(0.2SD)	3	MGL	999
2	30	0.1	NaClO4	lgK:10.47(4SF)	5	MGL	2261

Reaction No. 11172							
IDA-2 + Ho+3 = Ho+3_IDA-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:7.0(0.03SD)	4	MGL	999
2	25	0.1	KNO3	lgK:7.0(0.2SD)	5	CRV	13242
3	25	1	NaClO4	lgK:6.64(3SF)	6	MGL	999
4	25	1	Unknown	dH:0.4(1SF)	6	CRV	552

Reaction No. 11173							
2<IDA-2> + Ho+3 = Ho+3_IDA-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:12.47(4SF)	6	CRV	552
2	25	1	NaClO4	lgK:11.97(4SF)	6	MGL	999

3	25	1	Unknown	dH:-1.5 (2SF)	6	CRV	552
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Reaction No. 11174							
3<IDA-2> + Ho+3 = Ho+3_IDA-2 (3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:16.28 (4SF)	6	MGL	999
2	25	1	Unknown	dH:-8.2 (2SF)	6	CRV	552

Reaction No. 11209							
Ho+3_IDA-2 + IDA-2 = Ho+3_IDA-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:5.5 (0.03SD)	6	MGL	999

Reaction No. 11244							
EtThioAcet-1 + Ho+3 = Ho+3_EtThioAcet-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	31	2	NaClO4	lgK:1.4 (0.05SD)	3	MGL	999

Reaction No. 11245							
Ho+3_EtThioAcet-1 + EtThioAcet-1 = Ho+3_EtThioAcet-1 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	31	2	NaClO4	lgK:1.0 (0.2SD)	6	MGL	999

Reaction No. 11386							
Acac-1 + Ho+3 = Ho+3_Acac-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:6.0 (2SF)	1	ESC	
2	30	0.1	HClO4	lgK:6.05 (3SF)	3	MGL	3258
3	30	0.1	HClO4	lgK:5.65 (3SF)	3	MIX	3258
4	23	0.005	Methanol:Water 5:95Wgt Unknown	lgK:6.15 (0.01SD)	4	MGL	906
5	23	0.005	Methanol:Water 50:50Wgt Unknown	lgK:7.15 (0.02SD)	4	MGL	906
6	23	0.005	Methanol:Water 80:20Wgt Unknown	lgK:8.4 (0.03SD)	4	MGL	906

Reaction No. 11387							
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Ho+3_Acac-1 + Acac-1 = Ho+3_Acac-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	30	0.1	HClO4	lgK:4.68(3SF)	6	MGL	3258
2	30	0.1	HClO4	lgK:4.76(3SF)	6	MIX	3258

Reaction No. 11421							
Ho+3_Acac-1(2) + Acac-1 = Ho+3_Acac-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:3.5(2SF)	1	ESC	
2	30	0.1	HClO4	lgK:3.40(3SF)	6	MGL	3258

Reaction No. 11684							
GlyAla-1 + Ho+3 = Ho+3_GlyAla-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:2.55(3SF)	6	MGL	1970

Reaction No. 11793							
Cat-2 + Ho+3 = Ho+3_Cat-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaCl	lgK:11.4(0.07SD)	4	MPT	999

Reaction No. 12175							
Citric-3 + Ho+3 = Ho+3_Citric-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:6.88(0.02SD)	0	MGL	31631
2	25	0	Inf. Dilution	lgK:9.461(4SF)	1	EOR	
3	25	0.05	NaCl	lgK:7.84(0.01SD)	5	MGL	906
4	25	0.05	NaClO4	lgK:7.84(0.01SD)	5	MGL	906
5	25	0.1	NaClO4	lgK:8.(0.6SD)	0	MSL	999
6	25	0.05	Ethanol:Water 25:75Vol NaCl	lgK:8.8(0.1SD)	5	MGL	906
7	25	0.05	Ethanol:Water 25:75Vol NaClO4	lgK:8.8(0.1SD)	5	MGL	906
8	25	0.05	Ethanol:Water 50:50Vol NaCl	lgK:9.9(0.04SD)	5	MGL	906

9	25	0.05	Ethanol:Water 50:50Vol NaClO4	lgK:9.9(0.04SD)	5	MGL	906
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Reaction No. 12275							
Gluconic-1 + Ho+3 = Ho+3_Gluconic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:2.42(3SF)	4	CRV	7271
2	25	0.2	KCl	lgK:2.36(3SF)	6	MGL	999
3	25		Methanol:Water 50:50Vol	lgK:4.62(0.02SD)w	5	MPH	4404
4	25		Methanol:Water 80:20Vol	lgK:5.5(0.08SD)w	5	MPH	4404

Reaction No. 12276							
2<Gluconic-1> + Ho+3 = Ho+3_Gluconic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	KCl	lgK:4.5(0.08SD)	4	MGL	999

Reaction No. 12359							
Picolinic-1 + Ho+3 = Ho+3_Picolinic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:4.22(0.02SD)	4	MGL	999
2	25	0.1	KNO3	lgK:4.19(3SF)	6	MGL	3233
3	25	0.5	NaClO4	lgK:3.9(0.03SD)	5	MGL	2650
4	25	0.5	NaClO4	dH:-2.97(0.17SD)kJ	6	MCL	2651

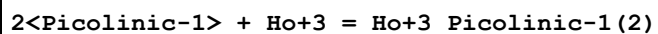
Reaction No. 12360							
Ho+3_Picolinic-1 + Picolinic-1 = Ho+3_Picolinic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:3.58(3SF)	6	MGL	3233

Reaction No. 12361							
Ho+3_Picolinic-1(2) + Picolinic-1 = Ho+3_Picolinic-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:2.76(3SF)	6	MGL	3233

Reaction No. 12362							
Ho+3_Picolinic-1(3) + Picolinic-1 = Ho+3_Picolinic-1(4)							

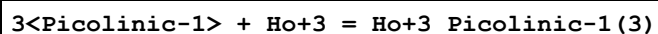
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:1.95 (3SF)	5	MGL	3233

Reaction No. 12421



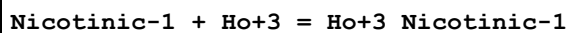
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:7.7 (0.04SD)	4	MGL	999
2	25	0.5	NaClO4	lgK:7.2 (0.05SD)	5	MGL	2650
3	25	0.5	NaClO4	dH:-5.69 (0.46SD) kJ	6	MCL	2651

Reaction No. 12422



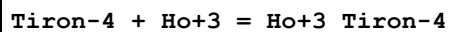
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1	25	0	Inf. Dilution	lgK:11.9 (3SF)	1	EDH	
2	25	0.1	KNO3	lgK:11. (0.3SD)	2	MGL	999
3	25	0.5	NaClO4	lgK:9.8 (0.1SD)	2	MGL	2650
4	25	0.5	NaClO4	dH:-8.79 (2.85SD) kJ	2	MCL	2651

Reaction No. 12448



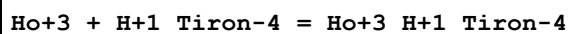
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	NaClO4	lgK:1.63 (3SF)	6	MGL	999

Reaction No. 12480



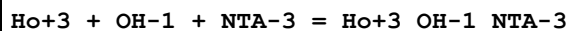
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:14.39 (4SF)	5	MGL	999
2	25	0.5	NaClO4	lgK:12.88 (0.04MD)	4	MGL	3058

Reaction No. 12481



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:5.42 (3SF)	6	MGL	999

Reaction No. 12554



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
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1	19:21	0.2	Unknown	lgK:6.43(0.01SD)	0	MGL	906
2	25	0	Inf. Dilution	lgK:20.3(3SF)	1	ELC	

Reaction No. 12638							
DHEGly-1 + Ho+3 = Ho+3_DHEGly-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.03	KCl	lgK:5.4(0.07SD)	5	MGL	906
2	20	0.1	Unknown	lgK:5.36(3SF)	6	CRV	552
3	30	0.1	KCl	lgK:5.5(0.04SD)	4	MGL	999
4	20	0.03	Methanol:Water 20:80Wgt KCl	lgK:5.9(0.09SD)	5	MGL	906
5	20	0.03	Methanol:Water 50:50Wgt KCl	lgK:6.6(0.06SD)	5	MGL	906
6	20	0.03	Methanol:Water 80:20Wgt KCl	lgK:7.8(0.09SD)	5	MGL	906

Reaction No. 12651							
Ho+3_DHEGly-1 + DHEGly-1 = Ho+3_DHEGly-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	30	0.1	KCl	lgK:4.2(0.08SD)	4	MGL	999

Reaction No. 12652							
2<DHEGly-1> + Ho+3 = Ho+3_DHEGly-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:10.37(4SF)	6	CRV	552
2	30	0.1	KCl	lgK:9.7(0.03SD)	3	MGL	999

Reaction No. 12749							
HIMDA-2 + Ho+3 = Ho+3_HIMDA-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaNO3	lgK:9.1(2SF)	4	MSC	999
2	20	1	KNO3	lgK:8.2(2SF)	4	MGL	999
3	25	0.1	KNO3	lgK:9.2(0.03SD)	4	MEF	999

Reaction No. 12750							
Ho+3_HIMDA-2 + HIMDA-2 = Ho+3_HIMDA-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

1	20	0.1	NaNO3	lgK:8.05 (3SF)	6	MSC	999
2	20	1	KNO3	lgK:7.95 (3SF)	6	MGL	999
3	25	0.1	KNO3	lgK:8.13 (3SF)	6	MEF	999

Reaction No. 12751							
2<HIMDA-2> + Ho+3 = Ho+3_HIMDA-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:18.0 (3SF)	1	EDH	
2	25	0.1	KCl	lgK:16.36 (4SF)	2	MPL	999
3	25	0.1	Unknown	lgK:17.31 (4SF)	2	CRV	552

Reaction No. 12818							
EDDA-2 + Ho+3 = Ho+3_EDDA-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:8.42 (3SF)	6	MGL	2028
2	25	1	Unknown	dH:-0.5 (1SF)	6	CRV	552

Reaction No. 12819							
Ho+3_EDDA-2 + EDDA-2 = Ho+3_EDDA-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:7.00 (3SF)	6	MGL	2028

Reaction No. 12937							
Tropolone-1 + Ho+3 = Ho+3_Tropolone-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:7.4 (0.03SD)	4	MGL	999

Reaction No. 12938							
Ho+3_Tropolone-1 + Tropolone-1 = Ho+3_Tropolone-1 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:6.2 (0.04SD)	4	MGL	999

Reaction No. 12939							
Ho+3_Tropolone-1 (2) + Tropolone-1 = Ho+3_Tropolone-1 (3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:5.2 (0.04SD)	4	MGL	999

Reaction No. 12940							
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Ho+3_Tropolone-1(3) + Tropolone-1 = Ho+3_Tropolone-1(4)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:3.8(0.05SD)	4	MGL	999

Reaction No. 13062							
[Pent]11DiCOO-2 + Ho+3 = Ho+3_[Pent]11DiCOO-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:4.25(3SF)	5	MGL	5658

Reaction No. 13063							
2<[Pent]11DiCOO-2> + Ho+3 = Ho+3_[Pent]11DiCOO-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:6.74(3SF)	5	MGL	5658

Reaction No. 13078							
Ho+3_HIMDA-2(2) + H2O = Ho+3_OH-1_HIMDA-2(2) + H+1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	1	KNO3	lgK:10.08(4SF)	6	MGL	999

Reaction No. 13137							
DiEtMalon-2 + Ho+3 = Ho+3_DiEtMalon-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:4.633(4SF)	6	MGL	4388

Reaction No. 13138							
2<DiEtMalon-2> + Ho+3 = Ho+3_DiEtMalon-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:7.158(4SF)	6	MGL	4388

Reaction No. 13183							
35DiNitrSal-2 + Ho+3 = Ho+3_35DiNitrSal-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23:25	0.2	LiCl	lgK:5.38(0.02SD)	4	MGL	906

Reaction No. 13272							
26PyridineDiCOO-2 + Ho+3 = Ho+3_26PyridineDiCOO-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.5	Unknown	lgK:8.72(3SF)	6	MEF	999

Reaction No. 13273							
Ho+3_26PyridineDiCOO-2 + 26PyridineDiCOO-2 = Ho+3_26PyridineDiCOO-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.5	Unknown	lgK:7.51(3SF)	6	MEF	999

Reaction No. 13274							
Ho+3_26PyridineDiCOO-2(2) + 26PyridineDiCOO-2 = Ho+3_26PyridineDiCOO-2(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.5	Unknown	lgK:5.85(3SF)	6	MEF	999

Reaction No. 13361							
SulfSal-3 + Ho+3 = Ho+3_SulfSal-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0	Inf. Dilution	lgK:9.61(3SF)	4	MGL	5987
2	20	0.1	KNO3	lgK:8.13(3SF)	6	MGL	5987
3	20	0.1	NaClO4	lgK:8.40(3SF)	2	MGL	931
4	20	1	NaClO4	lgK:7.2(0.05SD)	4	MGL	906
5	25	0	Inf. Dilution	lgK:8.2(2SF)	1	ESC	
6	30	0.1	KNO3	lgK:8.09(3SF)	6	MGL	5987
7	40	0.1	KNO3	lgK:7.81(3SF)	6	MGL	5987
8	20	0.1	KNO3	dH:-6.6(2SF)	6	MTD	5987

Reaction No. 13362							
Ho+3_SulfSal-3 + SulfSal-3 = Ho+3_SulfSal-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:6.75(3SF)	5	MGL	931
2	20	1	NaClO4	lgK:5.8(0.08SD)	4	MGL	906
3	25	0	Inf. Dilution	lgK:7.0(2SF)	1	ESC	

Reaction No. 13432							
ProGly-1 + Ho+3 = Ho+3_ProGly-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:3.25(3SF)	6	MGL	1970

Reaction No. 13476							
Phthalic-2 + Ho+3 = Ho+3_Phthalic-2							

No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	30	0.1	NaClO4	lgK:3.97 (3SF)	6	MGL	999

Reaction No. 13477

Ho+3_Phthalic-2 + Phthalic-2 = Ho+3_Phthalic-2(2)

No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	30	0.1	NaClO4	lgK:3.15 (3SF)	6	MGL	999

Reaction No. 13498

Mandelic-1 + Ho+3 = Ho+3_Mandelic-1

No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:3.05 (0.06SD)	5	MGL	6794
2	25	2	NaClO4	lgK:2.54 (0.02SD)	6	MGL	999
3	25	0.1	NaClO4	dH:-1.3 (2SF) kJ	5	MCL	7703
4	25	2	NaClO4	dH:-4.3 (2SF) kJ	5	MCL	7703

Reaction No. 13573

EDDM-4 + Ho+3 = Ho+3_EDDM-4

No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:12.53 (4SF)	0	CRV	552
2	25	0.1	KNO3	lgK:11.26 (4SF)	5	MPL	906
3	25	0.1	KNO3	lgK:11.3 (0.03SD)	5	MGL	999

Reaction No. 13669

GlyLeu-1 + Ho+3 = Ho+3_GlyLeu-1

No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:2.60 (3SF)	6	MGL	1970

Reaction No. 13674

LeuGly-1 + Ho+3 = Ho+3_LeuGly-1

No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:2.40 (3SF)	6	MGL	1970

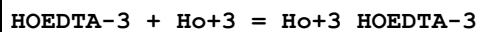
Reaction No. 14100

EDDS-4 + Ho+3 = Ho+3_EDDS-4

No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:13.75 (4SF)	6	CRV	552

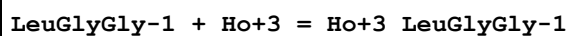
2	25	0.1	KNO3	lgK:13.6(0.03SD)	5	MPL	999
3	30	0.1	KNO3	lgK:10.31(4SF)	0	MGL	906

Reaction No. 14154



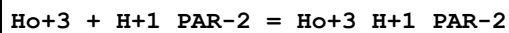
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	15	0.1	KNO3	lgK:15.39(4SF)	6	MEF	2121
2	20	0.1	KNO3	lgK:15.34(4SF)	6	MEF	2121
3	20	0.1	Unknown	lgK:15.55(4SF)	6	MEF	999
4	25	0.1	KNO3	lgK:15.32(4SF)	6	MEF	2121
5	25	0.1	KNO3	lgK:15.06(4SF)	5	MGL	8184
6	25	0.1	Unknown	lgK:15.4(0.1SD)	6	CRV	552
7	25	0.5	NaClO4	lgK:14.8(0.03SD)	5	MGL	2650
8	30	0.1	KNO3	lgK:15.27(4SF)	6	MEF	2121
9	35	0.1	KNO3	lgK:15.35(4SF)	6	MEF	2121
10	40	0.1	KNO3	lgK:15.30(4SF)	6	MEF	2121
11	25	0.1	KNO3	dH:-1.(0.2SD)	6	MCL	2121
12	25	0.1	Unknown	dH:-3.4(2SF)	6	CRV	552
13	25	0.5	NaClO4	dH:-14.0(0.4SD) kJ	6	MCL	2651
14	25	0.1	KNO3	dS:66.(0.8SD)	6	EFE	2121

Reaction No. 14171



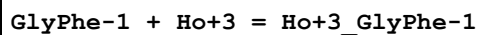
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:2.00(3SF)	6	MGL	1970

Reaction No. 14247



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KCl	lgK:3.60(3SF)	0	MSP	999
2	25	0	Inf. Dilution	lgK:4.9(2SF)	1	EDH	
3	25	0.1	NaNO3	lgK:4.3(0.03SD)	3	MGL	1516

Reaction No. 14279



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:2.45(3SF)	6	MGL	1970

Reaction No. 14302							
N6Me2PyridMeAsp-2 + Ho+3 = Ho+3_N6Me2PyridMeAsp-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:7.30 (3SF)	6	MGL	999

Reaction No. 14303							
Ho+3_N6Me2PyridMeAsp-2 + N6Me2PyridMeAsp-2 = Ho+3_N6Me2PyridMeAsp-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:5.03 (3SF)	6	MGL	999

Reaction No. 14403							
MeEDTA-4 + Ho+3 = Ho+3_MeEDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:19.36 (4SF)	6	MPL	1978
2	20	0.1	KNO3	lgK:19.30 (4SF)	6	MHG	3272

Reaction No. 14502							
dlBDTA-4 + Ho+3 = Ho+3_dlBDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:20.3 (0.1SD)	5	MPL	2005
2	20	0.1	NaClO4	lgK:19.97 (4SF)	6	MSP	1932

Reaction No. 14532							
mBDTA-4 + Ho+3 = Ho+3_mBDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:17.3 (0.09SD)	6	MGL	2002
2	20	0.1	NaClO4	lgK:17.36 (4SF)	6	MSP	1932

Reaction No. 14578							
EDDG-4 + Ho+3 = Ho+3_EDDG-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:9.24 (3SF)	6	CRV	552
2	25	0.1	KNO3	lgK:8.9 (0.07SD)	4	MGL	999
3	25	0.1	Unknown	lgK:9.10 (3SF)	4	CRV	552
4	30	0.1	NaClO4	lgK:8.46 (3SF)	4	MGL	999

Reaction No. 14686							
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CDTA-4 + Ho+3 = Ho+3_CDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:19.89(4SF)	2	MEF	999
2	25	0.1	KNO3	lgK:19.9(0.04SD)	5	MGL	3253
3	25	0.1	Unknown	lgK:20.9(0.07SD)	3	CRV	552
4	25	0.5	Na+1 salt	lgK:19.80(4SF)	3	CRV	552
5	25	0.5	NaClO4	lgK:19.1(0.06SD)	0	MGL	2650
6	25	1	K+1 salt	lgK:20.29(4SF)	6	CRV	552
7	25	0.1	KNO3	dH:1.2(2SF)	5	MEF	999
8	25	0.1	KNO3	dH:1.(0.7SD)	3	MCL	3253
9	25	0.5	NaClO4	dH:5.19(0.33SD)kJ	6	MCL	2651

Reaction No. 14687							
Ho+3_CDTA-4 + H+1 = Ho+3_H+1_CDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:2.41(3SF)	6	MGL	3253
2	25	0	Inf. Dilution	lgK:2.5(2SF)	1	ESC	

Reaction No. 14763							
DTPA-5 + Ho+3 = Ho+3_DTPA-5							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:22.8(0.07SD)	0	MEF	3239
2	25	0.5	NaClO4	lgK:21.0(0.05SD)	4	MGL	2650
3	25	2	NaClO4	lgK:21.43(0.02SD)	3	MGL	30513
4	25	0.1	KNO3	dH:-7.6(2SF)	3	MEF	3239
5	25	0.5	NaClO4	dH:-42.6(0.4SD)kJ	4	MCL	2651
6	27	0.1	KNO3	dH:-7.(0.3SD)	3	MCL	999

Reaction No. 14932							
EGTA-4 + Ho+3 = Ho+3_EGTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:17.38(4SF)	6	MEF	999
2	25	0	Inf. Dilution	lgK:17.7(3SF)	1	ESC	

Reaction No. 14965							
TTHA-6 + Ho+3 = Ho+3_TTHA-6							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

1	25	0	Inf. Dilution	lgK:23.(2SF)	1	EES	
Note (1): Based on La+3 & Ga+3							
2	25	0.1	KNO3	lgK:15.4(3SF)	0	MGL	999

Reaction No. 14966							
Ho+3_TTHA-6 + H+1 = Ho+3_H+1_TTHA-6							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:4.67(3SF)	3	MGL	999
2	25	0.1	KNO3	lgK:5.0(0.2SD)	2	CRV	13242

Reaction No. 14967							
Ho+3_H+1_TTHA-6 + H+1 = Ho+3_H+1(2)_TTHA-6							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:2.33(3SF)	6	MGL	999
2	25	0.1	KNO3	lgK:2.3(2SF)	5	CRV	13242

Reaction No. 14968							
2<Ho+3> + TTHA-6 = Ho+3(2)_TTHA-6							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:18.3(3SF)	4	MGL	999

Reaction No. 15111							
Ho+3_EDTA-4 + HOEDTA-3 = Ho+3_HOEDTA-3_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	KCl	lgK:1.70(3SF)	6	MGL	1351

Reaction No. 15112							
Ho+3_EDTA-4 + EDTA-4 = Ho+3_EDTA-4(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:2.56(3SF)	5	MSP	1351
2	25	1	KCl	lgK:2.56(3SF)	6	MGL	1351

Reaction No. 15113							
2<Ho+3_EDTA-4> + EDTA-4 = Ho+3(2)_EDTA-4(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	KCl	lgK:5.19(3SF)	6	MGL	1351

Reaction No. 15296							
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[18]N2O4:MeCOO*2-2 + Ho+3 = Ho+3_[18]N2O4:MeCOO*2-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Me4NC1	lgK:11.18 (0.1SD)	3	MGL	6644

Reaction No. 15326							
[18]N2O4:MeCOO-1 + Ho+3 = Ho+3_[18]N2O4:MeCOO-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Me4NC1	lgK:6.91 (0.1SD)	4	MGL	1335

Reaction No. 15345							
[18]N2O4:EtCOO*2-2 + Ho+3 = Ho+3_[18]N2O4:EtCOO*2-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Me4NC1	lgK:6.47 (0.1SD)	4	MGL	1335

Reaction No. 17719							
Ho+3 + H+1(2)_PO4-3 = Ho+3_H+1(2)_PO4-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:2.21 (3SF)	3	CRV	8781
2	25	0	Inf. Dilution	lgK:2.30 (0.10SD)	4	CRV	32222

Reaction No. 17842							
Ho+3_EDTA-4 + F-1 = Ho+3_F-1_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	KCl	lgK:1.83 (3SF)	6	MGL	6136
2	25	1	KCl	dH:-2.9 (0.2SD) kJ	5	MCL	6136

Reaction No. 17857							
Ho+3_F-1_EDTA-4 + F-1 = Ho+3_F-1(2)_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	KCl	lgK:0.48 (2SF)	4	MGL	6136

Reaction No. 18495							
2OHTriMDTA-4 + Ho+3 = Ho+3_2OHTriMDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:14.88 (4SF)	6	MGL	1492

Reaction No. 18502							
TriMDTA-4 + Ho+3 = Ho+3_TriMDTA-4							

No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:15.03 (4SF)	6	CRV	552
2	25	0.1	KNO3	lgK:14.78 (4SF)	6	EIE	1492

Reaction No. 18517							
NMeEDTA-3 + Ho+3 = Ho+3_NMeEDTA-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	K+1 salt	lgK:13.81 (4SF)	6	CRV	552
2	25	0.1	NaClO4	lgK:13.86 (0.01SD)	4	MGL	1497
3	25	0.5	NaClO4	lgK:13.4 (0.03SD)	4	MGL	1497
4	25	0.1	NaClO4	dH:-6.35 (0.18SD) kJ	5	MCL	1497
5	25	0.5	NaClO4	dH:-11.38 (0.30SD) kJ	5	MCL	1497

Reaction No. 18541							
Gly-1 + Ho+3 = Ho+3_Gly-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:4.474 (4SF)	1	EOR	
2	25	0.03	Unknown	lgK:4.4 (0.08SD)	4	MGL	1555
3	25	0.1	Unknown	lgK:3.7 (2SF)	6	CRV	552

Reaction No. 18581							
[Hex]14DiCOO-2 + Ho+3 = Ho+3_[Hex]14DiCOO-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:4.3 (0.05SD)	4	MGL	1499
2	25	0.1	NaClO4	dH:17.75 (0.10SD) kJ	5	MCL	1499

Reaction No. 18958							
6BrKoj-1 + Ho+3 = Ho+3_6BrKoj-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:5.49 (3SF)	6	MSP	1526

Reaction No. 18972							
6IKoj-1 + Ho+3 = Ho+3_6IKoj-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:5.59 (3SF)	6	MSP	1526

Reaction No. 19534							
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Ho+3 + Malonic-2 + H+1 = Ho+3_H+1_Malonic-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:6.31 (3SF)	6	MGL	999

Reaction No. 19535							
Ho+3 + H+1 + 2<Malonic-2> = Ho+3_H+1_Malonic-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:9.95 (3SF)	6	MGL	999

Reaction No. 19622							
Ho+3 + H+1 + IDA-2 = Ho+3_H+1_IDA-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:10.68 (4SF)	6	MGL	999

Reaction No. 19623							
Ho+3 + 2<H+1> + IDA-2 = Ho+3_H+1 (2)_IDA-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:12.83 (4SF)	6	MGL	999

Reaction No. 19674							
AlaGly-1 + Ho+3 = Ho+3_AlaGly-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:2.45 (3SF)	6	MGL	1970

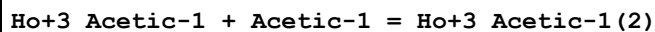
Reaction No. 19690							
GlySer-1 + Ho+3 = Ho+3_GlySer-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:2.60 (3SF)	6	MGL	1970

Reaction No. 19724							
Ho+3 + NTA-3 + EDTA-4 = Ho+3_NTA-3_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:24.5 (3SF)	1	EDH	
2	20	0.1	KNO3	dG:-30.44 (4SF)	5	MCL	999
3	20	0.1	KNO3	dH:-9.42 (3SF)	5	MCL	999

Reaction No. 19748							
GlyGlyGly-1 + Ho+3 = Ho+3_GlyGlyGly-1							

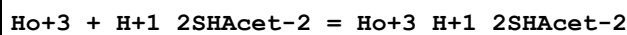
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:2.35 (3SF)	6	MGL	1970

Reaction No. 19836



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:1.59 (3SF)	6	MGL	999
2	20	2	NaClO4	lgK:1.23 (3SF)	5	MQH	11516
Note (2): Sonesson A, Acta Chem. Scand., 1958, 12, 1937							
3	21	2	NaClO4	lgK:1.19 (3SF)	5	MSP	2389
4	21	2	NaClO4	lgK:1.18 (3SF)	5	MSP	4629

Reaction No. 19882



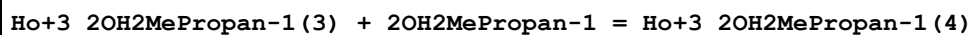
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:1.92 (3SF)	6	MGL	999
2	25	2	NaClO4	lgK:1.3 (0.05SD)	3	MGL	3749

Reaction No. 19883



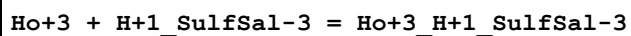
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:1.32 (3SF)	6	MGL	999
2	25	2	NaClO4	lgK:0.8 (0.1SD)	4	MGL	3749

Reaction No. 20032



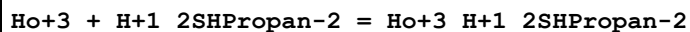
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	NaClO4	lgK:1.3 (2SF)	4	MGL	999

Reaction No. 20164



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:2.23 (3SF)	5	MGL	931
2	25	0	Inf. Dilution	lgK:2.2 (2SF)	1	ESC	

Reaction No. 21409



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	2	NaClO4	lgK:1.53(3SF)	6	MGL	3234
2	31	2	NaClO4	lgK:1.5(0.05SD)	3	MGL	999
3	25	2	NaClO4	dH:1.9(0.07SD)	5	MCL	3234

Reaction No. 21424							
Ho+3_H+1_2SHPropan-2 + H+1_2SHPropan-2 = Ho+3_H+1(2)_2SHPropan-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	31	2	NaClO4	lgK:1.0(0.2SD)	4	MGL	999

Reaction No. 21434							
Ho+3_H+1_3SHPropan-2 + H+1_3SHPropan-2 = Ho+3_H+1(2)_3SHPropan-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	31	2	NaClO4	lgK:1.3(0.1SD)	3	MGL	999

Reaction No. 21698							
Ho+3 + 12PrDiol = Ho+3_H+1(-1)_12PrDiol + H+1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	22	0.1	NaClO4	lgK:-6.95(3SF)	6	MGL	2064

Reaction No. 21714							
Ho+3 + Glycerol = Ho+3_H+1(-1)_Glycerol + H+1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	22	0.1	NaClO4	lgK:-6.80(3SF)	6	MGL	2064
2	25	0.1	NaCl	lgK:-6.85(3SF)	6	MGL	999

Reaction No. 21956							
Ho+3 + H+1_CO3-2 = Ho+3_H+1_CO3-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:1.73(3SF)	3	CRV	8781

Reaction No. 22506							
Ho+3_EDTA-4 + IDA-2 = Ho+3_IDA-2_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:3.54(3SF)w	6	MPH	999
2	25	0	Inf. Dilution	lgK:3.5(2SF)	1	ESC	
3	20	0.1	KNO3	dH:-7.14(3SF)	4	MCL	906

Reaction No. 22507							
IDA-2 + Ho+3 + EDTA-4 = Ho+3_IDA-2_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:24.3 (3SF)	1	EDH	
2	20	0.1	KNO3	dG:-29.89 (4SF)	4	EFE	906
3	20	0.1	KNO3	dH:-8.50 (3SF)	4	MCL	906

Reaction No. 22693							
Ho+3_EDTA-4 + Acac-1 = Ho+3_Acac-1_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:3.7 (0.04SD)	0	MGL	999
2	25	0.1	NH4Cl	lgK:2.9 (0.2SD)	3	MGL	906
3	25	0.1	NH4Cl	lgK:2.9 (0.1SD)	3	MSP	906

Reaction No. 22737							
DMPA-1 + Ho+3 = Ho+3_DMPA-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.28 (0.01SD)	6	MGL	999

Reaction No. 22738							
Ho+3_DMPA-1 + DMPA-1 = Ho+3_DMPA-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.64 (0.02SD)	6	MGL	999

Reaction No. 22854							
Ho+3 + H+1_Citric-3 + Citric-3 = Ho+3_H+1_Citric-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23			lgK:10.3 (0.07SD)	4	MDS	906
2	24:26	0.15	LiClO4	lgK:11.21 (4SF)	6	MDS	999

Reaction No. 23221							
CPTA-4 + Ho+3 = Ho+3_CPTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	30	0.2	ClO4-1 salt	lgK:10.62 (4SF)	6	MGL	1929
2	40	0.2	ClO4-1 salt	lgK:10.76 (4SF)	6	MGL	1929
3	50	0.2	ClO4-1 salt	lgK:11.00 (4SF)	6	MGL	1929

Reaction No. 23342							
Quinic-1 + Ho+3 = Ho+3_Quinic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:2.79 (3SF)	6	MQH	999

Reaction No. 23343							
Ho+3_Quinic-1 + Quinic-1 = Ho+3_Quinic-1 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:2.14 (3SF)	6	MQH	999

Reaction No. 23344							
Ho+3_Quinic-1 (2) + Quinic-1 = Ho+3_Quinic-1 (3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:1.58 (3SF)	6	MQH	999

Reaction No. 23345							
Ho+3_Quinic-1 (3) + Quinic-1 = Ho+3_Quinic-1 (4)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:0.94 (2SF)	6	MQH	999

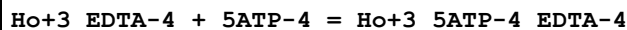
Reaction No. 23595							
Ho+3_EDTA-4 + Sulfox-2 = Ho+3_Sulfox-2_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:4.65 (3SF) w	6	MPH	999
2	25	0	Inf. Dilution	lgK:4.7 (2SF)	1	ESC	
3	20	0.1	KNO3	dH:-5.67 (3SF)	5	MCL	999

Reaction No. 23596							
Ho+3 + Sulfox-2 + EDTA-4 = Ho+3_Sulfox-2_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:25.4 (3SF)	1	EDH	
2	20	0.1	KNO3	dG:-31.38 (4SF)	5	MPH	999
3	20	0.1	KNO3	dH:-7.03 (3SF)	5	MCL	999

Reaction No. 23701							
Ho+3_EDTA-4 + Tiron-4 = Ho+3_EDTA-4_Tiron-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

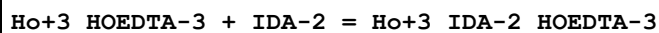
1	25	0.1	NaClO ₄	lgK:7.3(0.03SD)	4	MGL	906
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Reaction No. 23702



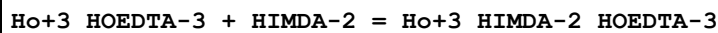
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	2	0.1	KNO ₃	lgK:6.2(0.1SD)	4	MGL	906
2	25	0.1	KNO ₃	lgK:5.6(0.1SD)	3	MGL	906
3	35	0.1	KNO ₃	lgK:5.8(0.1SD)	4	MGL	906
4	35	0.1	KNO ₃	lgK:5.8(0.1SD)	2	MGL	31163
5	45	0.1	KNO ₃	lgK:5.5(0.1SD)	4	MGL	906

Reaction No. 23791



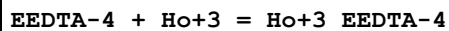
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO ₃	lgK:5.37(0.01SD)	6	MGL	999

Reaction No. 23792



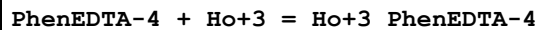
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO ₃	lgK:4.8(0.03SD)	4	MGL	999

Reaction No. 24043



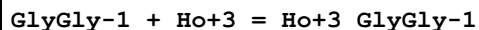
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO ₃	lgK:18.13(4SF)	6	MEF	999
2	25	0.1	KNO ₃	lgK:18.34(4SF)w	6	MPH	1946

Reaction No. 24242



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO ₃	lgK:18.7(0.1SD)	4	MPL	2010

Reaction No. 24486



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:2.65(3SF)	6	MGL	1970

Reaction No. 24659

SO4-2 + Ho+3 = Ho+3_SO4-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:3.482(4SF)	1	EOR	
2	25	0	Inf. Dilution	lgK:3.59(3SF)	4	MCN	140
3	25	0	Inf. Dilution	lgK:3.38(3SF)	3	MCL	5398
4	25	0	Inf. Dilution	lgK:1.3(2SF)	0	MCL	5398
5	25	0	Inf. Dilution	lgK:3.59(3SF)	4	MSC	5398
6	25	0	Inf. Dilution	lgK:3.60(3SF)	3	MCN	5690
7	25	0	Inf. Dilution	lgK:3.38(0.04SD)	4	MCL	8402
8	25	0	Inf. Dilution	lgK:3.16(3SF)	3	CRV	8781
9	25	0	Inf. Dilution	lgK:3.52(0.12SD)	5	EOD	22958
10	25	0	Inf. Dilution	lgK:3.40(0.30SD)	4	CRV	32222
11	25	2	NaClO4	lgK:1.24(3SF)	4	MAG	643
12	25	0	Inf. Dilution	dH:4.9(2SF)	3	CRV	552
13	25	0	Inf. Dilution	dH:3.54(3SF)	0	MCL	5398
14	25	0	Inf. Dilution	dH:3.66(3SF)	0	MCL	5398
15	25	0	Inf. Dilution	dH:3.8(2SF)	4	MCL	5398
16	25	0	Inf. Dilution	dH:3.66(0.01SD)	3	MCL	8402
17	25	0	Inf. Dilution	dH:15.387(2.302SD) kJ	4	CRV	32222
18	25	2	NaClO4	dH:4.22(3SF)	0	MCL	931

Reaction No. 24671							
Ho+3_SO4-2 + SO4-2 = Ho+3_SO4-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:1.6(2SF)	5	MCL	5398
2	25	0	Inf. Dilution	lgK:1.3(0.2SD)	3	EOD	5690
3	25	0	Inf. Dilution	lgK:1.6(0.2SD)	4	MCL	8402
4	25	2	NaClO4	lgK:0.52(2SF)	5	MIS	643
5	25	0	Inf. Dilution	dH:1.6(2SF)	5	MCL	5398
6	25	0	Inf. Dilution	dH:3.82(3SF)	3	MCL	5690
7	25	0	Inf. Dilution	dH:1.6(0.3SD)	4	MCL	8402

Reaction No. 25064							
Dien + Ho+3 = Ho+3_Dien							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	DMSO Et4NClO4	lgK:3.70(0.02SD)	6	MGL	2221

2	25	0.1	DMSO Et4NC1O4	dG:-21.1(0.1SD) kJ	6	MGL	2221
3	25	0.1	DMSO Et4NC1O4	dH:-32.2(0.4SD) kJ	6	MCL	2221
4	25	0.1	DMSO Et4NC1O4	dS:-37.(2SF) J	6	EFE	2221

Reaction No. 25065							
2<Dien> + Ho+3 = Ho+3_Dien(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	DMSO Et4NC1O4	lgK:6.69(0.03SD)	6	MGL	2221
2	25	0.1	DMSO Et4NC1O4	dG:-38.2(0.2SD) kJ	6	MGL	2221
3	25	0.1	DMSO Et4NC1O4	dH:-74.5(0.7SD) kJ	6	MCL	2221
4	25	0.1	DMSO Et4NC1O4	dS:-122.(3SF) J	6	EFE	2221

Reaction No. 25393							
Trien + Ho+3 = Ho+3_Trien							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	DMSO Et4NC1O4	lgK:5.31(0.01SD)	6	MGL	2221
2	25	0.1	DMSO Et4NC1O4	dH:-30.31(0.05SD) kJ	6	MCL	2221
3	25	0.1	DMSO Et4NC1O4	dH:-48.8(0.1SD) kJ	6	MGL	2221
4	25	0.1	DMSO Et4NC1O4	dS:-62.(2SF) J	6	EFE	2221

Reaction No. 25394							
2<Trien> + Ho+3 = Ho+3_Trien(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	DMSO Et4NC1O4	lgK:6.28(0.09SD)	6	MGL	2221
2	25	0.1	DMSO Et4NC1O4	dG:-35.8(0.5SD) kJ	6	MGL	2221
3	25	0.1	DMSO Et4NC1O4	dH:-75.3(0.4SD) kJ	6	MCL	2221
4	25	0.1	DMSO Et4NC1O4	dS:-132.(3SF) J	6	EFE	2221

Reaction No. 26025							
12BisCOOMeOxEthan-2 + Ho+3 = Ho+3_12BisCOOMeOxEthan-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	dH:12.97 (0.30MD) kJ	6	MCL	1579

Reaction No. 26026							
2<12BisCOOMeOxEthan-2> + Ho+3 = Ho+3_12BisCOOMeOxEthan-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	dH:19.43 (0.59MD) kJ	6	MCL	1579

Reaction No. 26027							
H+1 + 2<12BisCOOMeOxEthan-2> + Ho+3 = Ho+3_H+1_12BisCOOMeOxEthan-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	dH:7. (0.9MD) kJ	6	MCL	1579

Reaction No. 26133							
DEATA-4 + Ho+3 = Ho+3_DEATA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:17.72 (4SF) w	6	MPH	1946

Reaction No. 26156							
BEATA-4 + Ho+3 = Ho+3_BEATA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:15.02 (4SF) w	6	MPH	1946

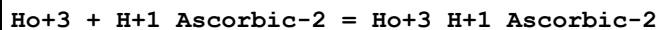
Reaction No. 26169							
TEDTA-4 + Ho+3 = Ho+3_TEDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:14.67 (4SF) w	6	MPH	1946

Reaction No. 26354							
12BisCOOMeAmEthan-2 + Ho+3 = Ho+3_12BisCOOMeAmEthan-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	dH:-2.02 (0.67MD) kJ	6	MCL	1579

Reaction No. 26355							
2<12BisCOOMeAmEthan-2> + Ho+3 = Ho+3_12BisCOOMeAmEthan-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

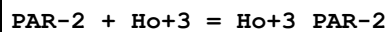
1	25	1	NaClO4	dH: -13.99 (0.82MD) kJ	6	MCL	1579
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Reaction No. 26426



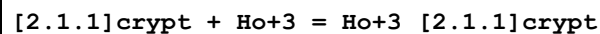
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23			lgK: 1.0 (2SF)	4	MSP	906
2	25	2	NaClO4	lgK: 1.41 (3SF)	5	MPT	1481
3	25	2	NaClO4	dH: 5.8 (0.01SD) kJ	4	MCL	1481

Reaction No. 26675



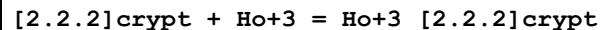
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaNO3	lgK: 10.5 (0.06SD)	5	MGL	1516

Reaction No. 26680



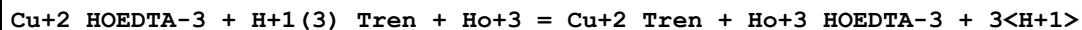
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.25	Me4NC1	lgK: 6.2 (0.08SD)	6	MGL	1514

Reaction No. 26691



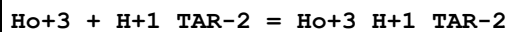
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.25	Me4NC1	lgK: 6.2 (0.2SD)	6	MGL	1514

Reaction No. 26772



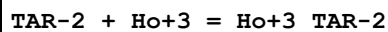
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	15	0.1	KNO3	lgK: -11.81 (4SF)	6	MTD	2121
2	20	0.1	KNO3	lgK: -11.53 (4SF)	6	MTD	2121
3	25	0.1	KNO3	lgK: -11.23 (4SF)	6	MTD	2121
4	30	0.1	KNO3	lgK: -10.97 (4SF)	6	MTD	2121
5	35	0.1	KNO3	lgK: -10.68 (4SF)	6	MTD	2121
6	40	0.1	KNO3	lgK: -10.43 (4SF)	6	MTD	2121
7	25	0.1	KNO3	dH: 23. (0.2SD)	6	MCL	2121

Reaction No. 27123



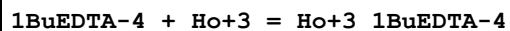
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaNO3	lgK:4.71 (3SF)	5	MSP	1166

Reaction No. 27124



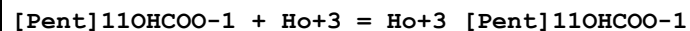
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaNO3	lgK:8.10 (3SF)	5	MSP	1166

Reaction No. 27322



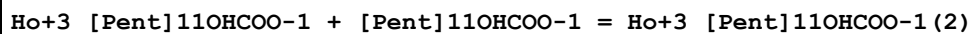
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:19.7 (0.1SD)	6	MPL	1994

Reaction No. 27395



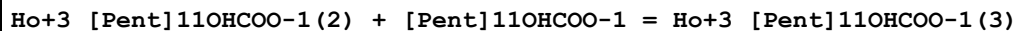
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:3.02 (3SF)	6	MGL	2150

Reaction No. 27396



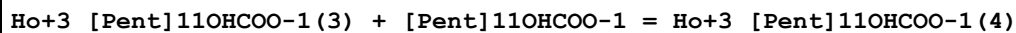
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.48 (3SF)	6	MGL	2150

Reaction No. 27397



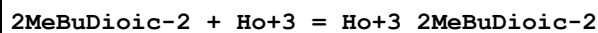
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.87 (3SF)	6	MGL	2150

Reaction No. 27398



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.49 (3SF)	6	MGL	2150

Reaction No. 27949



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:3.08 (0.01SD)	6	MGL	906

Reaction No. 27950							
Ho+3_2MeBuDioic-2 + 2MeBuDioic-2 = Ho+3_2MeBuDioic-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.0(0.05SD)	6	MGL	906

Reaction No. 28505							
GlyMet-1 + Ho+3 = Ho+3_GlyMet-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:2.60(3SF)	5	MGL	1970

Reaction No. 28792							
1OH4Sulf2Napthoic-3 + Ho+3 = Ho+3_1OH4Sulf2Napthoic-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:8.82(0.005SD)	6	MGL	6990
2	25	0.1	Unknown	lgK:9.04(3SF)	5	ENS	233

Reaction No. 28793							
2<1OH4Sulf2Napthoic-3> + Ho+3 = Ho+3_1OH4Sulf2Napthoic-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:15.17(0.02SD)	6	MGL	6990
2	25	0.1	Unknown	lgK:15.61(4SF)	5	ENS	233

Reaction No. 28794							
Ho+3 + H+1_1OH4Sulf2Napthoic-3 = Ho+3_H+1_1OH4Sulf2Napthoic-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.10(3SF)	6	MGL	2261

Reaction No. 28871							
NAcAconylidOrth-2 + Ho+3 = Ho+3_NAcAconylidOrth-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:20.10(4SF)w	5	MPH	2261

Reaction No. 29187							
Ala-1 + Ho+3 = Ho+3_Ala-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:5.224(4SF)	1	EOR	
2	25	0.1	KNO3	lgK:4.6(0.1SD)	3	MGL	2392

Reaction No. 30079							
Di(2MeAc)EDDA-4 + Ho+3 = Ho+3_Di(2MeAc)EDDA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:18.3(0.1SD)	6	MPL	1998

Reaction No. 30266							
NONWAcid-2 + Ho+3 = Ho+3_NONWAcid-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:4.34(3SF)	5	CRV	2556
2	25	0.1	Unknown	lgK:3.23(3SF)	5	CRV	2556

Reaction No. 30286							
1NO2Naphthol-1 + Ho+3 = Ho+3_1NO2Naphthol-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:4.33(3SF)	5	MSP	2261

Reaction No. 30308							
2NO1Naphthol-1 + Ho+3 = Ho+3_2NO1Naphthol-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:5.94(3SF)	5	MGL	2261

Reaction No. 30309							
2<2NO1Naphthol-1> + Ho+3 = Ho+3_2NO1Naphthol-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:11.5(3SF)	5	MGL	2261

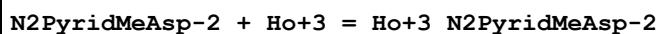
Reaction No. 30690							
EtEDTA-4 + Ho+3 = Ho+3_EtEDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:19.8(0.1SD)	6	MPL	1995

Reaction No. 30723							
11DiMeEDTA-4 + Ho+3 = Ho+3_11DiMeEDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:17.40(4SF)	6	MPL	1978

Reaction No. 30748							
HexEDTA-4 + Ho+3 = Ho+3_HexEDTA-4							

No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:19.7 (0.1SD)	6	MPT	1981

Reaction No. 30806



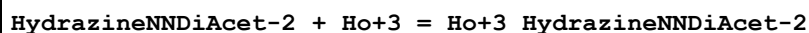
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:9.07 (3SF)	4	MGL	999

Reaction No. 30807



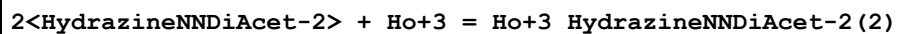
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:7.80 (3SF)	4	MGL	999

Reaction No. 31341



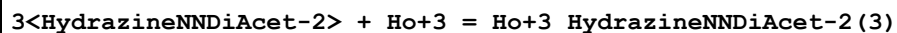
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	60	0.1	KCl	lgK:6.50 (3SF)	5	MGL	2261

Reaction No. 31342



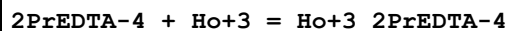
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	60	0.1	KCl	lgK:11.06 (4SF)	5	MGL	2261

Reaction No. 31343



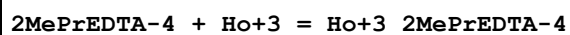
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	60	0.1	KCl	lgK:13.40 (4SF)	5	MGL	2261

Reaction No. 32972



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:19.7 (0.1SD)	6	MPT	2012

Reaction No. 32991



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:19.7 (0.1SD)	6	MPT	2012

Reaction No. 33323							
3FBenz-1 + Ho+3 = Ho+3_3FBenz-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.70 (3SF)	5	MGL	2261
2	25	0.1	NaClO4	dH:2.15 (3SF)	5	ENS	2261

Reaction No. 33704							
23DiOH6SulfNaphthoic-3 + Ho+3 = Ho+3_23DiOH6SulfNaphthoic-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:10.26 (0.02MD)	5	MGL	3060

Reaction No. 33705							
2<23DiOH6SulfNaphthoic-3> + Ho+3 = Ho+3_23DiOH6SulfNaphthoic-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:18.40 (0.02MD)	5	MGL	3060

Reaction No. 33706							
H+1 + 2<23DiOH6SulfNaphthoic-3> + Ho+3 = Ho+3_H+1_23DiOH6SulfNaphthoic-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:25.23 (0.06MD)	5	MGL	3060

Reaction No. 33749							
2<Tiron-4> + Ho+3 = Ho+3_Tiron-4(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:22.36 (0.04MD)	5	MGL	3058

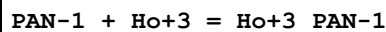
Reaction No. 33750							
H+1 + 2<Tiron-4> + Ho+3 = Ho+3_H+1_Tiron-4(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:30.00 (0.04MD)	5	MGL	3058

Reaction No. 33948							
Pro-1 + Ho+3 = Ho+3_Pro-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:5.75 (3SF)	5	MGL	3366

Reaction No. 33961							
Hyp-1 + Ho+3 = Ho+3_Hyp-1							

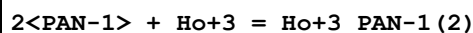
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:5.38 (3SF)	5	MGL	3366

Reaction No. 34807



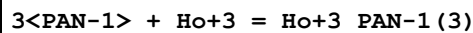
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	18:22	0.05	Unknown	lgK:12.76 (4SF)	5	MDS	999
2	21	0.1	Ethanol:Water 50:50Vol NaClO4	lgK:9.66 (3SF)	4	MSP	3355
3	21	0.1	Ethanol:Water 75:25Vol NaClO4	lgK:10.48 (4SF)	4	MSP	3355
4	21	0.1	Propan-1-ol:Water 50:50Vol NaClO4	lgK:8.00 (3SF)	4	MSP	3355
5	21	0.1	Propan-1-ol:Water 75:25Vol NaClO4	lgK:8.74 (3SF)	4	MSP	3355
6	21	0.1	Propan-2-ol:Water 50:50Vol NaClO4	lgK:8.48 (3SF)	5	MSP	3355
7	21	0.1	Propan-2-ol:Water 75:25Vol NaClO4	lgK:9.30 (3SF)	5	MSP	3355

Reaction No. 34808



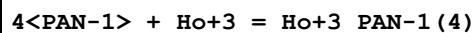
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	18:22	0.05	Unknown	lgK:24.36 (4SF)	5	MDS	999

Reaction No. 34809



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	18:22	0.05	Unknown	lgK:34.80 (4SF)	5	MDS	999

Reaction No. 34810



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	18:22	0.05	Unknown	lgK:44.08 (4SF)	5	MDS	999

Reaction No. 35159

DiPrMalon-2 + Ho+3 = Ho+3_DiPrMalon-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:4.720 (4SF)	6	MGL	4388

Reaction No. 35160							
2<DiPrMalon-2> + Ho+3 = Ho+3_DiPrMalon-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:7.281 (4SF)	6	MGL	4388

Reaction No. 35191							
DiBuMalon-2 + Ho+3 = Ho+3_DiBuMalon-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:4.694 (4SF)	6	MGL	4388

Reaction No. 35192							
2<DiBuMalon-2> + Ho+3 = Ho+3_DiBuMalon-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:7.36 (0.02SD)	6	MGL	4388

Reaction No. 36296							
Croconic-2 + Ho+3 = Ho+3_Croconic-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.898 (4SF)	5	MPT	3231
2	25	0.1	NaClO4	dH:2.62 (3SF)	5	MCL	3231

Reaction No. 36297							
2<Croconic-2> + Ho+3 = Ho+3_Croconic-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:4.681 (4SF)	5	MPT	3231
2	25	0.1	NaClO4	dH:1.12 (3SF)	5	MCL	3231

Reaction No. 36485							
oAnisic-1 + Ho+3 = Ho+3_oAnisic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.8 (0.06SD)	5	MGL	3914
2	25	0.1	NaClO4	lgK:2.07 (0.02SD)	5	MGL	6794
3	25	0.1	NaClO4	dH:10.60 (0.7SD) kJ	5	MCL	3914

Reaction No. 36499							
mAnisic-1 + Ho+3 = Ho+3_mAnisic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.0(0.04SD)	5	MGL	3914
2	25	0.1	NaClO4	dH:12.35(2.2SD) kJ	5	MCL	3914

Reaction No. 36513							
pAnisic-1 + Ho+3 = Ho+3_pAnisic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.0(0.06SD)	5	MGL	3914
2	25	0.1	NaClO4	dH:13.59(1.2SD) kJ	5	MCL	3914

Reaction No. 36637							
[18]N6 + Ho+3 = Ho+3_[18]N6							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaCl	lgK:10.1(0.1SD)w	4	MPH	3895

Reaction No. 36653							
3OHBenz-2 + Ho+3 = Ho+3_3OHBenz-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.0(0.04SD)	6	MGL	3893
2	25	0.1	NaClO4	dG:-2.677(4SF)	6	EFE	3893

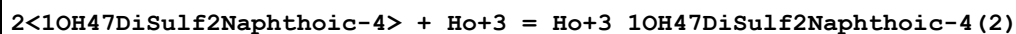
Reaction No. 36666							
4OHBenz-2 + Ho+3 = Ho+3_4OHBenz-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.1(0.03SD)	6	MGL	3893
2	25	0.1	NaClO4	dG:-2.809(4SF)	6	EFE	3893

Reaction No. 36893							
Ho+3 + H+1_1OH47DiSulf2Naphthoic-4 = Ho+3_H+1_1OH47DiSulf2Naphthoic-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.9(0.05SD)	6	MGL	3849
2	25	0.1	NaClO4	dH:2.008(4SF)	6	MCL	3849

Reaction No. 36894							
1OH47DiSulf2Naphthoic-4 + Ho+3 = Ho+3_1OH47DiSulf2Naphthoic-4							

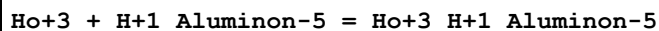
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:8.9(0.05SD)	6	MGL	3849

Reaction No. 36895



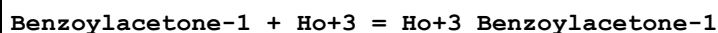
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:15.0(0.2SD)	6	MGL	3849

Reaction No. 37250



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25			lgK:5.(0.4SD)	3	MSP	931

Reaction No. 37434



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Methanol:Water 80:20Wgt NaCl	lgK:8.41(0.02SD)	5	MGL	931

Reaction No. 37435



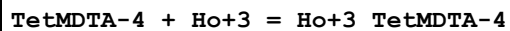
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Methanol:Water 80:20Wgt NaCl	lgK:6.50(0.01SD)	5	MGL	931

Reaction No. 37436



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Methanol:Water 80:20Wgt NaCl	lgK:4.50(0.01SD)	5	MGL	931

Reaction No. 37851



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:10.8(0.05SD)	6	MGL	3938
2	25	0.5	NaClO4	dH:24.72(2.01SD) kJ	5	MCL	3938

Reaction No. 37852							
Ho+3_TetMDTA-4 + H+1 = Ho+3_H+1_TetMDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:6.3(0.06SD)	6	MGL	3938

Reaction No. 37853							
Ho+3_H+1_TetMDTA-4 + H+1 = Ho+3_H+1(2)_TetMDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:5.0(0.1SD)	6	MGL	3938

Reaction No. 37916							
[12]N4:Acet*4-4 + Ho+3 = Ho+3_[12]N4:Acet*4-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23	0.1	NaCl	lgK:24.54(4SF)	4	MSP	1377
2	37	1	NaCl	lgK:23.5(3SF)	6	MMC	932

Reaction No. 38039							
H+1 + Fumaric-2 + Ho+3 = Ho+3_H+1_Fumaric-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:6.0(0.04SD)	6	MGL	3848

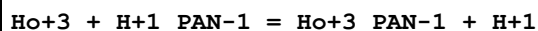
Reaction No. 38254							
EDDPrDA-4 + Ho+3 = Ho+3_EDDPrDA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:13.84(0.01SD)	5	MGL	3915
2	25	0.5	NaClO4	lgK:12.63(0.01SD)	5	MGL	3915
3	25	0.1	NaClO4	dH:2.78(0.30SD)kJ	4	MCL	3915
4	25	0.5	NaClO4	dH:6.05(0.40SD)kJ	4	MCL	3915

Reaction No. 38255							
H+1 + EDDPrDA-4 + Ho+3 = Ho+3_H+1_EDDPrDA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:16.4(0.05SD)	1	MGL	3915
2	25	0.5	NaClO4	lgK:15.9(0.08SD)	1	MGL	3915

Reaction No. 38256							
Ho+3 + H+1_EDDPrDA-4 = Ho+3_H+1_EDDPrDA-4							

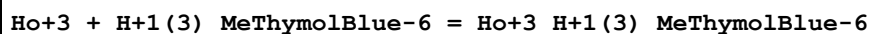
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:6.4(0.05SD)	5	MGL	3915
2	25	0.5	NaClO4	lgK:5.9(0.08SD)	5	MGL	3915
3	25	0.1	NaClO4	dH:33.38(4.14SD)kJ	4	MCL	3915
4	25	0.5	NaClO4	dH:38.49(0.73SD)kJ	4	MCL	3915

Reaction No. 38714



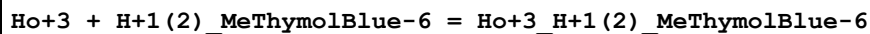
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	21	0.1	Ethanol:Water 50:50Vol NaClO4	lgK:-3.11(3SF)	4	MSP	3355
2	21	0.1	Ethanol:Water 75:25Vol NaClO4	lgK:-2.92(3SF)	4	MSP	3355
3	21	0.1	Propan-1-ol:Water 50:50Vol NaClO4	lgK:-3.45(3SF)	4	MSP	3355
4	21	0.1	Propan-1-ol:Water 75:25Vol NaClO4	lgK:-2.86(3SF)	4	MSP	3355
5	21	0.1	Propan-2-ol:Water 50:50Vol NaClO4	lgK:-3.55(3SF)	5	MSP	3355
6	21	0.1	Propan-2-ol:Water 75:25Vol NaClO4	lgK:-3.45(3SF)	5	MSP	3355

Reaction No. 39780



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:4.5(2SF)	1	ESC	
2	30	0.1	ClO4-1 salt	lgK:4.5(0.03SD)	4	MGL	1852

Reaction No. 39781



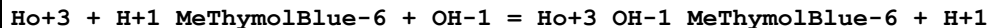
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:7.4(2SF)	1	ESC	
2	30	0.1	ClO4-1 salt	lgK:7.2(0.03SD)	4	MGL	1852

Reaction No. 39782



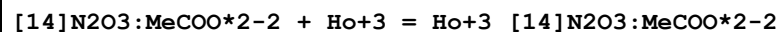
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-4.4(2SF)	1	ESC	
2	30	0.1	ClO4-1 salt	lgK:-4.4(0.03SD)	4	MGL	1852

Reaction No. 39783



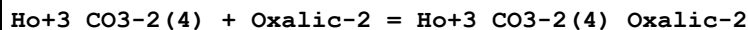
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:5.9(2SF)	1	ESC	
2	30	0.1	ClO4-1 salt	lgK:5.8(0.03SD)	4	MGL	1852

Reaction No. 39903



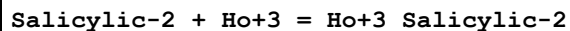
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Me4NCl	lgK:11.3(0.08SD)	5	MGL	1491

Reaction No. 40119



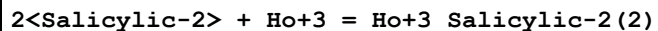
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	2.5	NaNO3	lgK:1.345(4SF)	4	MSP	2261
2	25	0	Inf. Dilution	lgK:1.3(2SF)	1	ESC	

Reaction No. 40170



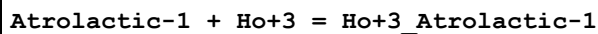
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.83(3SF)	5	MGL	2261
2	25	0.1	Methanol:Water 99.9:.1Wgt NaCl	lgK:6.27(3SF)	5	MGL	906

Reaction No. 40171



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:3.79(3SF)	5	MGL	2261

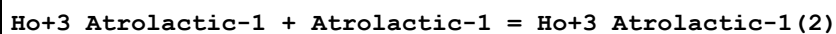
Reaction No. 40244



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:3.28(3SF)	5	MGL	7703

2	25	1	NaClO4	lgK:2.97(0.01SD)	5	MGL	931
3	25	0.1	NaClO4	dH:-4.4(2SF)kJ	5	MCL	7703

Reaction No. 40245



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:2.38(0.01SD)	5	MGL	931

Reaction No. 40246



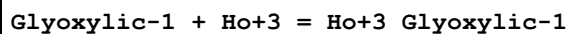
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:1.92(0.01SD)	5	MGL	931

Reaction No. 40247



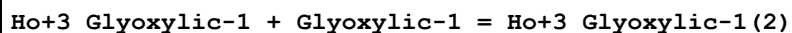
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:1.76(0.02SD)	5	MGL	931

Reaction No. 40349



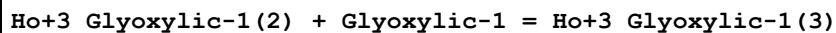
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:2.58(3SF)	5	MGL	931

Reaction No. 40350



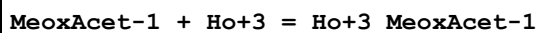
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:1.90(3SF)	5	MGL	931

Reaction No. 40351



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:1.7(2SF)	5	MGL	931

Reaction No. 40664



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:2.07(3SF)	5	MGL	931

Reaction No. 40665							
Ho+3_MeoxAcet-1 + MeoxAcet-1 = Ho+3_MeoxAcet-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	NaClO4	lgK:1.15(3SF)	5	MGL	931

Reaction No. 40703							
26DiCOOPiperNAcet-3 + Ho+3 = Ho+3_26DiCOOPiperNAcet-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:11.2(0.05SD)	6	MGL	931

Reaction No. 40704							
Ho+3_26DiCOOPiperNAcet-3 + 26DiCOOPiperNAcet-3 = Ho+3_26DiCOOPiperNAcet-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:8.2(0.05SD)	6	MGL	931

Reaction No. 40900							
234TriOHPentDioic-2 + Ho+3 = Ho+3_234TriOHPentDioic-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23:25	0.2	KCl	lgK:3.8(0.04SD)	5	MGL	4446

Reaction No. 40923							
2OHPentan-1 + Ho+3 = Ho+3_2OHPentan-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:2.64(0.02SD)	5	MGL	931

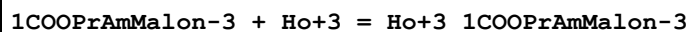
Reaction No. 41035							
23DiOH2OHMePropan-1 + Ho+3 = Ho+3_23DiOH2OHMePropan-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:2.71(3SF)	5	MGL	931

Reaction No. 41036							
2<23DiOH2OHMePropan-1> + Ho+3 = Ho+3_23DiOH2OHMePropan-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:4.89(3SF)	5	MGL	931

Reaction No. 41037							
3<23DiOH2OHMePropan-1> + Ho+3 = Ho+3_23DiOH2OHMePropan-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

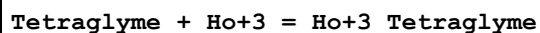
1	25	0.5	NaClO4	lgK:6.22 (3SF)	5	MGL	931
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Reaction No. 41223



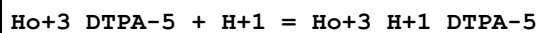
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:9.02 (3SF)	6	ENS	233

Reaction No. 41278



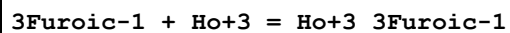
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	PrCarbonate Et4NClO4	lgK:3.6 (0.1SD)	5	MPT	1032

Reaction No. 41394



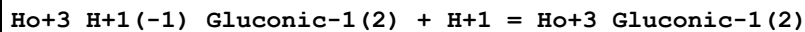
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:2.25 (3SF)	2	CRV	2556
2	25	0	Inf. Dilution	lgK:2.4 (2SF)	1	ESC	
3	25	0.1	KNO3	lgK:2.25 (3SF)	3	EOD	30513
4	25	2	NaClO4	lgK:1.33 (0.05SD)	3	MGL	30513

Reaction No. 42239



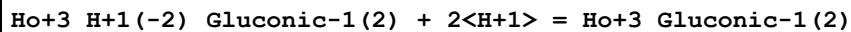
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	2	NaClO4	lgK:1.504 (4SF)	5	MGL	3169
2	25	2	NaClO4	dH:2.07 (0.01SD)	5	MCL	3169

Reaction No. 42336



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	KOH	lgK:5.44 (0.01SD)	5	MPS	4448

Reaction No. 42337



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	KOH	lgK:12.4 (0.1SD)	5	MPS	4448

Reaction No. 42918

[9]N3:Acet*3-3 + Ho+3 = Ho+3_[9]N3:Acet*3-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23	0.1	NaCl	lgK:15.2 (3SF)	3	MSP	1377

Reaction No. 43396							
Ho+3 + H+1_DiMeGlyox-2 = Ho+3_H+1_DiMeGlyox-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Dioxan:Water 50:50Vol NaClO4	lgK:8.41 (3SF)	4	MGL	906

Reaction No. 43397							
Ho+3_H+1_DiMeGlyox-2 + H+1_DiMeGlyox-2 = Ho+3_H+1(2)_DiMeGlyox-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Dioxan:Water 50:50Vol NaClO4	lgK:7.49 (3SF)	4	MGL	906

Reaction No. 44000							
2Amphenol-1 + Ho+3 = Ho+3_2Amphenol-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.12	DMSO:Water 50:50Vol NaClO4	lgK:4.23 (3SF)	5	MGL	6835
2	25	0.12	DMSO:Water 50:50Vol NaClO4	dH:4.8 (2SF)	5	MTD	6835
3	25	0.12	Dioxan:Water 50:50Vol NaClO4	lgK:5.32 (3SF)	5	MGL	6835
4	25	0.12	Dioxan:Water 50:50Vol NaClO4	dH:-2.8 (2SF)	5	MTD	6835
5	25	0.12	Ethanol:Water 50:50Vol NaClO4	lgK:4.79 (3SF)	5	MGL	6835
6	25	0.12	Ethanol:Water 50:50Vol NaClO4	dH:-2.8 (2SF)	5	MTD	6835

Reaction No. 44001							
Ho+3_2Amphenol-1 + 2Amphenol-1 = Ho+3_2Amphenol-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

1	25	0.12	DMSO:Water 50:50Vol NaClO4	lgK:3.67 (3SF)	5	MGL	6835
2	25	0.12	Dioxan:Water 50:50Vol NaClO4	lgK:4.32 (3SF)	5	MGL	6835
3	25	0.12	Ethanol:Water 50:50Vol NaClO4	lgK:3.92 (3SF)	5	MGL	6835

Reaction No. 44183							
Ho+3_Salicylic-2 + Salicylic-2 = Ho+3_Salicylic-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Methanol:Water 99.9:.1Wgt NaCl	lgK:4.48 (3SF)	5	MGL	906

Reaction No. 44184							
Ho+3_Salicylic-2(2) + Salicylic-2 = Ho+3_Salicylic-2(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Methanol:Water 99.9:.1Wgt NaCl	lgK:3.51 (3SF)	5	MGL	906

Reaction No. 44359							
2AmBenz-1 + Ho+3 = Ho+3_2AmBenz-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.2 (0.04SD)	4	MGL	6794
2	25	0.1	Methanol NaCl	lgK:7.35 (3SF)	4	MGL	906

Reaction No. 44360							
Ho+3_2AmBenz-1 + 2AmBenz-1 = Ho+3_2AmBenz-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Methanol NaCl	lgK:5.75 (3SF)	4	MGL	906

Reaction No. 44361							
Ho+3_2AmBenz-1(2) + 2AmBenz-1 = Ho+3_2AmBenz-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Methanol NaCl	lgK:3.56 (3SF)	4	MGL	906

Reaction No. 44362							
Ho+3_2AmBenz-1(3) + 2AmBenz-1 = Ho+3_2AmBenz-1(4)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Methanol NaCl	lgK:2.40 (3SF)	4	MGL	906

Reaction No. 44504							
Ho+3 + H+1(2)_Purpur-3 = Ho+3_H+1(2)_Purpur-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	12	0.1	Ethanol:Water 50:50Wgt NaClO4	lgK:4.43 (3SF)	5	MSP	906

Reaction No. 44628							
Oxine-1 + Ho+3 = Ho+3_Oxine-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	30	0.3	Dioxan:Water 50:50Wgt NaClO4	lgK:9.24 (3SF)	4	MGL	906

Reaction No. 44629							
Ho+3_Oxine-1 + Oxine-1 = Ho+3_Oxine-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	30	0.3	Dioxan:Water 50:50Wgt NaClO4	lgK:8.51 (3SF)	4	MGL	906

Reaction No. 44844							
Ho+3_EDTA-4 + H+1_P3O10-5 = Ho+3_H+1_EDTA-4_P3O10-5							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	2	0.1	KNO3	lgK:4.55 (3SF)	5	MGL	906
2	25	0.1	KNO3	lgK:4.43 (3SF)	5	MGL	906
3	35	0.1	KNO3	lgK:4.41 (3SF)	5	MGL	906
4	35	0.1	KNO3	lgK:4.41 (0.04SD)	2	MGL	31163
5	45	0.1	KNO3	lgK:4.3 (0.04SD)	5	MGL	906

Reaction No. 44845							
Ho+3_EDTA-4 + P3O10-5 = Ho+3_EDTA-4_P3O10-5							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	2	0.1	KNO3	lgK:6.72 (3SF)	5	MGL	906

2	25	0.1	KNO3	lgK:6.50 (3SF)	5	MGL	906
3	35	0.1	KNO3	lgK:6.57 (3SF)	5	MGL	906
4	35	0.1	KNO3	lgK:6.57 (0.04SD)	2	MGL	31163
5	45	0.1	KNO3	lgK:6.5 (0.04SD)	5	MGL	906

Reaction No. 44940							
Ho+3_HOEDTA-3 + H+1(2)_HOEDTA-3 = Ho+3_H+1(2)_HOEDTA-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20			lgK:1.62 (3SF)	0	MGL	906
2	25	0	Inf. Dilution	lgK:1.6 (2SF)	1	ESC	

Reaction No. 44941							
Ho+3_HOEDTA-3 + H+1_HOEDTA-3 = Ho+3_H+1_HOEDTA-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20			lgK:2.48 (3SF)	5	MGL	906
2	25	1	NaClO4	lgK:2.47 (3SF)	5	MGL	906

Reaction No. 44942							
Ho+3_HOEDTA-3 + HOEDTA-3 = Ho+3_HOEDTA-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20			lgK:4.00 (3SF)	5	MGL	906
2	25	1	NaClO4	lgK:3.39 (3SF)	5	MGL	906

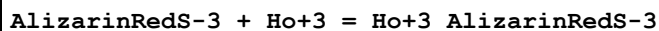
Reaction No. 44943							
Ho+3_HOEDTA-3 + H+1(3)_HOEDTA-3 = Ho+3_H+1(3)_HOEDTA-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:0.31 (2SF)	4	MGL	906

Reaction No. 45148							
Ho+3 + H+1_Dithizone-1 = Ho+3_H+1_Dithizone-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Ethanol:Water 50:50Wgt NaClO4	lgK:3.70 (3SF)w	4	MPH	906

Reaction No. 45199							
Dithizone-1 + Ho+3 = Ho+3_Dithizone-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

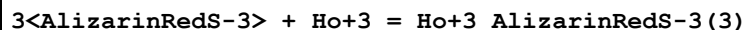
1	20	0.1	Ethanol:Water 50:50Wgt NaClO4	lgK:2.15 (3SF)w	4	MPH	906
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Reaction No. 45226



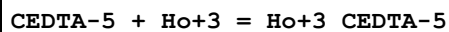
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23		Acetone:Water 50:50Vol	lgK:6.90 (3SF)	4	MSP	906

Reaction No. 45227



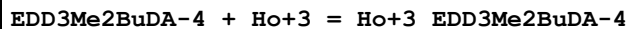
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23		Acetone:Water 50:50Vol	lgK:17.40 (4SF)	4	MSP	906

Reaction No. 45436



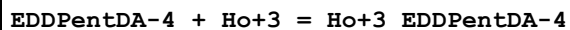
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23	0.1	KCl	lgK:16.71 (4SF)	4	MPT	906

Reaction No. 45508



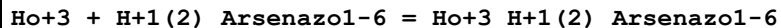
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:14.7 (0.07SD)	5	MGL	2008
2	20	0.1	KNO3	lgK:14.7 (0.09SD)	5	MPL	2008

Reaction No. 45536



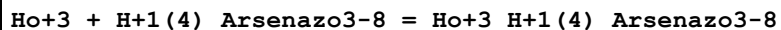
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:17.9 (0.2SD)	5	MPL	2008

Reaction No. 45568



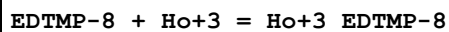
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	19:21	0.1	Unknown	lgK:8.3 (0.03SD)	5	MSP	906

Reaction No. 45645



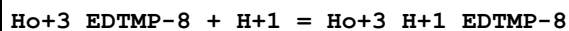
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	19:21			lgK:16.6(0.09SD)	4	MSP	906

Reaction No. 45854



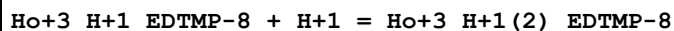
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	37	0.15	NaCl	lgK:13.32(0.02SD)	5	MGL	6359

Reaction No. 45855



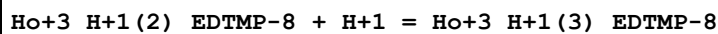
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	37	0.15	NaCl	lgK:7.60(0.02SD)	5	MGL	6359

Reaction No. 45856



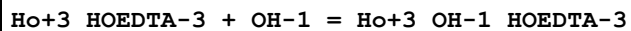
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	37	0.15	NaCl	lgK:6.33(0.02SD)	5	MGL	6359

Reaction No. 45857



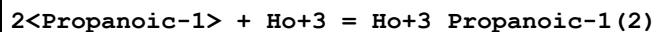
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	37	0.15	NaCl	lgK:5.2(0.03SD)	5	MGL	6359

Reaction No. 45955



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:5.12(3SF)	5	CRV	2556
2	25	0	Inf. Dilution	lgK:5.3(2SF)	1	ESC	

Reaction No. 52463



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	0.5	2	NaClO4	lgK:2.763(4SF)	5	MSP	4629
2	20	0.1	NaClO4	lgK:3.46(3SF)	5	MGL	11516
Note (2): Powell J et al., Inorg. Chem., 1964, 3, 518							
3	21	2	NaClO4	lgK:2.991(4SF)	5	MSP	4629
4	21	2	NaClO4	lgK:2.851(4SF)	5	MPT	4629

5	25	0	Inf. Dilution	lgK:4.57 (4SF)	1	EOR	
6	25	2	NaClO ₄	lgK:2.85 (3SF)	5	MGL	11516
Note (6): Choppin G et al., Inorg. Chem., 1965, 4, 1254							
7	40	2	NaClO ₄	lgK:3.236 (4SF)	5	MSP	4629
8	50	2	NaClO ₄	lgK:3.344 (4SF)	5	MSP	4629
9	60	2	NaClO ₄	lgK:3.47 (3SF)	5	MSP	4629
10	0.5:60	2	NaClO ₄	dH:2. (0.3SD)	5	MCL	4629

Reaction No. 52464							
3<Propanoic-1> + Ho+3 = Ho+3_Propanoic-1 (3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	0.5	2	NaClO ₄	lgK:3.231 (4SF)	5	MSP	4629
2	21	2	NaClO ₄	lgK:3.707 (4SF)	5	MSP	4629
3	40	2	NaClO ₄	lgK:3.924 (4SF)	5	MSP	4629
4	50	2	NaClO ₄	lgK:4.033 (4SF)	5	MSP	4629
5	60	2	NaClO ₄	lgK:4.143 (4SF)	5	MSP	4629
6	0.5:60	2	NaClO ₄	dH:1. (0.7SD)	5	MCL	4629

Reaction No. 52465							
4<Propanoic-1> + Ho+3 = Ho+3_Propanoic-1 (4)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	0.5	2	NaClO ₄	lgK:3.69 (3SF)	5	MSP	4629
2	21	2	NaClO ₄	lgK:4.041 (4SF)	4	MSP	4629
3	40	2	NaClO ₄	lgK:4.465 (4SF)	5	MSP	4629
4	50	2	NaClO ₄	lgK:4.631 (4SF)	5	MSP	4629
5	60	2	NaClO ₄	lgK:4.806 (4SF)	5	MSP	4629

Reaction No. 52849							
Br-1 + Ho+3 = Ho+3_Br-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	22	0	Inf. Dilution	lgK:-0.67 (2SF)	4	MSP	931
2	25	3	LiClO ₄	lgK:-0.62 (2SF)	5	MSP	5398
3	25	0.2	DiMeAcetamide Bu ₄ NClO ₄	lgK:2.4 (0.1MD)	5	MCL	7233
4	25	0.2	DiMeAcetamide Bu ₄ NClO ₄	dH:3.66 (3SF)	5	MCL	7233

5	25	3	Methanol:Water 50:50Wgt LiClO4	lgK:-0.01(1SF)	5	MSP	5398
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Reaction No. 52983							
Cl-1 + Ho+3 = Ho+3_Cl-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	22	0	Inf. Dilution	lgK:-2.03(3SF)	0	MSP	931
Note (1): Inconsistent with many lanthanides							
2	25	0	Inf. Dilution	lgK:0.30(2SF)	4	EOD	7141
3	25	0	Inf. Dilution	lgK:0.27(2SF)	3	CRV	8781
4	25	0	Inf. Dilution	lgK:0.30(0.50SD)	4	CRV	32222
5	25	0.5	Inert	lgK:-0.57(2SF)	4	MLC	8917
6	25	0.7	Inert	lgK:-0.60(2SF)	4	EIE	4894
7	25	1	Inert	lgK:-0.62(2SF)	4	MLC	8917
8	25	3	LiClO4	lgK:-0.08(1SF)	5	MSP	5398
9	25	0	Inf. Dilution	dH:24.525(6.854SD)kJ	4	CRV	32222
10	25	0.2	DMF Et4NClO4	lgK:2.6(0.2MD)	5	MCL	7216
11	25	0.2	DMF Et4NClO4	dH:4.3(2SF)	5	MCL	7216
12	25		Ethanol	lgK:0.94(2SF)	5	MSP	5398
13	25		Ethanol:Water 25:75Vol	lgK:0.17(2SF)	5	MSP	5398
14	25		Ethanol:Water 50:50Vol	lgK:0.45(2SF)	5	MSP	5398
15	25		Ethanol:Water 75:25Vol	lgK:0.70(2SF)	5	MSP	5398
16	25		Ethanol:Water 90:10Vol	lgK:0.85(2SF)	5	MSP	5398
17	25	3	Methanol LiClO4	lgK:0.82(2SF)	5	MSP	5398
18	25	3	Methanol:Water 50:50Wgt LiClO4	lgK:0.39(2SF)	5	MSP	5398
19	25	1	Propan-1-ol LiClO4	lgK:0.0(1SF)	4	MSP	5398

Reaction No. 53465							
Ho+3 + 2<P3O10-5> = Ho+3_P3O10-5(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

1	25	0.1	KNO3	lgK:9.3(0.1SD)	5	MPT	4602
2	35	0.1	KNO3	lgK:9.6(0.1SD)	5	MPT	4602
3	45	0.1	KNO3	lgK:9.1(0.1SD)	5	MPT	4602
4	25	0.1	KNO3	dH:-6.8(2SF)	5	MTD	5398

Reaction No. 53633							
Ho+3 + 3<NO3-1> + H+1_NO3-1 = Ho+3_H+1_NO3-1(4)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23			lgK:-0.74(2SF)	0	MSP	5398

Reaction No. 53634							
Ho+3_H+1_NO3-1(4) + 2<H+1_NO3-1> = Ho+3_H+1(3)_NO3-1(6)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23			lgK:-1.12(3SF)	0	MSP	5398

Reaction No. 53653							
NO3-1 + Ho+3 = Ho+3_NO3-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:0.2501(4SF)	1	EOR	
2	25	0	Inf. Dilution	lgK:0.25(2SF)	3	EDH	8781
3	25	0	Inf. Dilution	lgK:0.50(0.30SD)	4	CRV	32222
4	25	1	Inert	lgK:-0.09(1SF)	4	MLC	8917
5	25	1	NaClO4	lgK:-0.22(2SF)	5	MDS	931
6	25	1	Propan-1-ol LiClO4	lgK:0.4(1SF)	5	MSP	5398

Reaction No. 53921							
P2O7-4 + 2<Ho+3> = Ho+3(2)_P2O7-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:20.88(4SF)	4	MKN	931

Reaction No. 54045							
2<SO4-2> + Ho+3 = Ho+3_SO4-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:5.028(4SF)	1	EOR	
2	25	0	Inf. Dilution	lgK:4.9(2SF)	4	CRV	2556
3	25	0	Inf. Dilution	lgK:4.98(3SF)	3	MCL	5421
4	25	0	Inf. Dilution	lgK:4.90(3SF)	4	CRV	32222

5	25	2	NaClO ₄	lgK:1.76 (3SF)	5	MAG	643
6	25	0	Inf. Dilution	dH:9. (1SF)	4	CRV	2556
7	25	0	Inf. Dilution	dH:23.670 (5SF) kJ	2	CRV	32222
8	25	2	NaClO ₄	dH:1.7 (2SF)	0	MCL	931
9	25	2	NaClO ₄	dH:5.9 (2SF)	2	CRV	2556

Reaction No. 54281							
Ho+3_Br-1 + Br-1 = Ho+3_Br-1 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	22	0	Inf. Dilution	lgK:-2.43 (3SF)	4	MSP	931
2	25	0.2	DiMeAcetamide Bu ₄ NClO ₄	lgK:1.8 (0.1MD)	5	MCL	7233
3	25	0.2	DiMeAcetamide Bu ₄ NClO ₄	dH:1.91 (3SF)	5	MCL	7233

Reaction No. 55210							
Ho+3 + MoO ₄ -2 = Ho+3_MoO ₄ -2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.0012	Unknown	lgK:4.3 (0.05SD)	5	MCN	931

Reaction No. 55656							
Ho+3 + e-1 = Ho+2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	E:-2.8 (2SF)	4	CRV	6330
2	25	0	Inf. Dilution	E:-2.8 (2SF)	3	CRV	7761
3	25	0	Unknown	E:-2.9 (0.1SD)	0	ENS	5256
Note (3): Low wgt for internal consistency							
4	25	0	Inf. Dilution	dH:316.2 (4SF) kJ	3	CRV	7761

Reaction No. 57098							
Ho+3 + 4<CO ₃ -2> = Ho+3_CO ₃ -2 (4)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	2.5	Unknown	lgK:15.6 (0.1SD)	6	ENS	5181

Reaction No. 57367							
Ho+3 + H+1 (2)_P ₃ O ₁₀ -5 (2) = Ho+3_H+1 (2)_P ₃ O ₁₀ -5 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO ₃	lgK:7.1 (0.1SD)	5	MPT	4602

2	35	0.1	KNO3	lgK:7.3(0.1SD)	5	MPT	4602
3	45	0.1	KNO3	lgK:6.8(0.1SD)	5	MPT	4602

Reaction No. 57784							
2<F-1> + Ho+3 = Ho+3_F-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:6.80(3SF)	4	EDH	8917
2	25	0.025	HNO3	lgK:6.28(0.04SD)	6	MCE	8221
3	25	0.5	NH4NO3	lgK:6.8(0.08SD)	0	MIS	5387
Note (3): Algebraic error [JS, Apr 00] - all B120s suspect							
4	25	0.68	NaClO4	lgK:5.46(3SF)	5	EFE	8917
5	25	1	NaCl	lgK:5.827(0.02SD)	6	MPT	5385

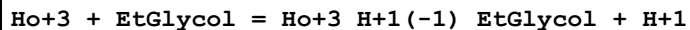
Reaction No. 57953							
Ho+3_F-1(3)_ (s) = Ho+3 + 3<F-1>							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-15.5(3SF)	1	EDH	
2	25	0.1	Unknown	lgK:-15.8(3SF)	0	CRV	2556
3	25	0.5	NH4NO3	dG:19.(2SF)	5	MPT	5604
4	25	0.5	NH4NO3	dH:9.(1SF)	4	MPT	5604

Reaction No. 58721							
CO3-2 + Ho+3 = Ho+3_CO3-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:7.80(3SF)	4	MSE	7346
2	25	0	Inf. Dilution	lgK:8.18(0.11SD)	4	EFE	8712
3	25	0	Inf. Dilution	lgK:7.59(3SF)	3	CRV	8781
4	25	0	Inf. Dilution	lgK:8.00(0.40SD)	4	CRV	32222
5	25	0.7	NaClO4	lgK:5.88(3SF)	4	EFE	4894
6	25	0.7	NaClO4	lgK:5.88(3SF)	5	MDS	4894
7	25	0.7	NaClO4/m	lgK:5.82(0.01SD)	5	MSE	7346
8	25	0	Inf. Dilution	dH:168.560(6.636SD) kJ	4	CRV	32222

Reaction No. 58722							
2<CO3-2> + Ho+3 = Ho+3_CO3-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:13.56(4SF)	4	MSE	7346

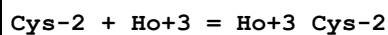
2	25	0	Inf. Dilution	lgK:13.86(0.16SD)	4	EFE	8712
3	25	0	Inf. Dilution	lgK:12.77(4SF)	3	CRV	8781
4	25	0	Inf. Dilution	lgK:13.30(0.60SD)	4	CRV	32222
5	25	0.7	NaClO4	lgK:10.46(4SF)	4	EFE	4894
6	25	0.7	NaClO4	lgK:10.46(4SF)	5	MDS	4894
7	25	0.7	NaClO4/m	lgK:10.48(0.01SD)	5	MSE	7346

Reaction No. 59159



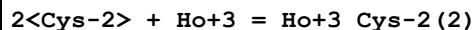
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	22	0.1	NaClO4	lgK:-7.05(3SF)	5	MGL	2064

Reaction No. 59271



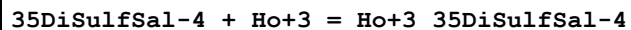
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0	Inf. Dilution	lgK:8.025(4SF)	4	MGL	905
2	35	0	Inf. Dilution	lgK:7.900(4SF)	4	MGL	905
3	45	0	Inf. Dilution	lgK:7.800(4SF)	4	MGL	905
4	25	0	Inf. Dilution	dH:-3.44(3SF)	4	MCL	905

Reaction No. 59272



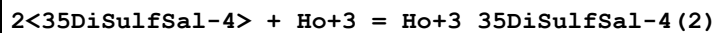
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0	Inf. Dilution	lgK:15.825(5SF)	4	MGL	905
2	35	0	Inf. Dilution	lgK:15.500(5SF)	4	MGL	905
3	45	0	Inf. Dilution	lgK:15.250(5SF)	4	MGL	905
4	25	0	Inf. Dilution	dH:-8.94(3SF)	4	MCL	905

Reaction No. 59783



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:8.8(0.03SD)	6	MGL	3059

Reaction No. 59784



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:14.6(0.04SD)	6	MGL	3059

Reaction No. 59908							
5ATP-4 + Ho+3 = Ho+3_5ATP-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.05	Unknown	lgK:7.00(3SF)	4	MKN	1437
2	25	0.1	KCl	lgK:6.48(3SF)	4	MGL	1437

Reaction No. 59947							
Ho+3 + H+1_5ATP-4 = Ho+3_H+1_5ATP-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:4.12(3SF)	4	MGL	1437

Reaction No. 59948							
Ho+3 + H+1(2)_5ATP-4 = Ho+3_H+1(2)_5ATP-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:3.39(3SF)	4	MGL	1437

Reaction No. 59949							
Ho+3 + 2<5ATP-4> = Ho+3_5ATP-4(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:10.35(4SF)	4	MGL	1437

Reaction No. 59950							
Ho+3_5ATP-4 + OH-1 = Ho+3_OH-1_5ATP-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:4.5(2SF)	4	MGL	1437

Reaction No. 59951							
Ho+3 + H+1(-1)_5ATP-4 + OH-1 = Ho+3_H+1(-1)_OH-1_5ATP-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:13.27(4SF)	4	MGL	1437

Reaction No. 60006							
Val-1 + Ho+3 = Ho+3_Val-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.03	Unknown	lgK:4.05(3SF)	3	MGL	2392
2	25	0.1	KCl	lgK:4.10(3SF)	3	MGL	11516
Note (2): Batyaev I et al., Zhur. Neorg. Khim., 1974, 19, 670							

3	25	0.03	Unknown	dH:-3.7 (2SF)	3	MCL	2392
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Reaction No. 60104							
EtDiAm + Ho+3 = Ho+3_EtDiAm							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23	0.03	MeCN ClO4-1 salt	dH:-19.8 (3SF)	4	MCL	148

Reaction No. 60105							
Ho+3_EtDiAm + EtDiAm = Ho+3_EtDiAm(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23	0.03	MeCN ClO4-1 salt	dH:-18.2 (3SF)	4	MCL	148

Reaction No. 60106							
Ho+3_EtDiAm(2) + EtDiAm = Ho+3_EtDiAm(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23	0.03	MeCN ClO4-1 salt	dH:-12.7 (3SF)	4	MCL	148

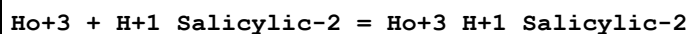
Reaction No. 60107							
Ho+3_EtDiAm(3) + EtDiAm = Ho+3_EtDiAm(4)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	23	0.03	MeCN ClO4-1 salt	dH:-10.04 (4SF)	4	MCL	148

Reaction No. 60409							
OH-1 + Ho+3 = Ho+3_OH-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:6.53 (4SF)	1	EOR	
2	25	0	Inf. Dilution	lgK:6.01 (3SF)	3	EDH	8781
3	25	0.5	Unknown	lgK:5.69 (3SF)	5	CRV	2556

Reaction No. 60410							
Ho+3_OH-1(3)_(s) = Ho+3 + 3<OH-1>							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-25.9 (4SF)	1	EOR	
2	25	0	Inf. Dilution	lgK:-25. (2SF)	0	ENS	773
3	25	0	Inf. Dilution	lgK:-25.9 (3SF)	4	CRV	2556

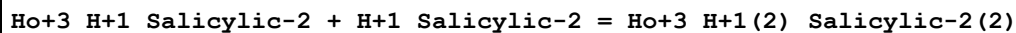
4	25	1	Unknown	lgK:-24.3 (3SF)	4	EES	
5	25	1	Unknown	lgK:-23.4 (3SF)	0	ENS	773

Reaction No. 60794



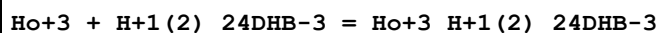
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.8 (0.08SD)	6	MGL	6794

Reaction No. 60864



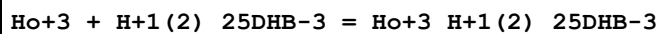
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.96 (3SF)	6	MGL	5987

Reaction No. 60897



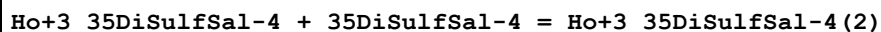
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.81 (3SF)	6	MGL	5987

Reaction No. 60937



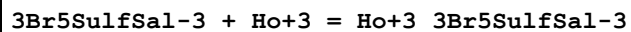
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.83 (3SF)	6	MGL	5987
2	25	0.1	NaClO4	dH:0.60 (2SF)	6	MCL	5987

Reaction No. 61108



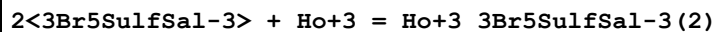
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.5	NaClO4	lgK:5.82 (3SF)	6	MGL	5987

Reaction No. 61177



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:7.64 (0.06MD)	6	MGL	2270

Reaction No. 61178



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:13.1 (0.1MD)	6	MGL	2270

Reaction No. 61179							
Ho+3_3Br5SulfSal-3 + 3Br5SulfSal-3 = Ho+3_3Br5SulfSal-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:5.45 (3SF)	6	MGL	5987

Reaction No. 61180							
H+1 + 3Br5SulfSal-3 + Ho+3 = Ho+3_H+1_3Br5SulfSal-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:12.38 (0.03MD)	6	MGL	2270

Reaction No. 61181							
3Br5SulfSal-3 + Ho+3 = 2<H+1> + Ho+3_H+1(-2)_3Br5SulfSal-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:-7.7 (0.2MD)	6	MGL	2270

Reaction No. 61291							
Ho+3_1OH4Sulf2Napthoic-3 + 1OH4Sulf2Napthoic-3 = Ho+3_1OH4Sulf2Napthoic-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:6.350 (4SF)	6	MGL	5987

Reaction No. 61292							
H+1 + 1OH4Sulf2Napthoic-3 + Ho+3 = Ho+3_H+1_1OH4Sulf2Napthoic-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:13.75 (0.02SD)	6	MGL	6990

Reaction No. 61329							
Ho+3_1OH47DiSulf2Naphthoic-4 + 1OH47DiSulf2Naphthoic-4 = Ho+3_1OH47DiSulf2Naphthoic-4(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:5.8 (2SF)	6	MGL	5987

Reaction No. 61372							
3OH7Sulf2Naphthoic-3 + Ho+3 = Ho+3_3OH7Sulf2Naphthoic-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:7.62 (3SF)	6	MGL	5987

Reaction No. 61373							
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Ho+3 + H+1_3OH7Sulf2Naphthoic-3 = Ho+3_H+1_3OH7Sulf2Naphthoic-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.21 (3SF)	6	MGL	5987

Reaction No. 62196							
2<EDDA-2> + Ho+3 = Ho+3_EDDA-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:15.42 (4SF)	6	CRV	552
2	25	1	Unknown	dH:-3.3 (2SF)	6	CRV	552

Reaction No. 62225							
2<EDDM-4> + Ho+3 = Ho+3_EDDM-4 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:17.85 (4SF)	6	CRV	552

Reaction No. 62235							
2<EDDS-4> + Ho+3 = Ho+3_EDDS-4 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:18.28 (4SF)	6	CRV	552

Reaction No. 62284							
NNBis2OHEtAla-1 + Ho+3 = Ho+3_NNBis2OHEtAla-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:5.10 (3SF)	6	CRV	552

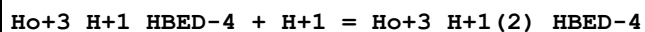
Reaction No. 62285							
2<NNBis2OHEtAla-1> + Ho+3 = Ho+3_NNBis2OHEtAla-1 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:9.77 (3SF)	4	CRV	552

Reaction No. 62351							
HBED-4 + Ho+3 = Ho+3_HBED-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:19.97 (4SF)	6	CRV	552

Reaction No. 62352							
Ho+3_HBED-4 + H+1 = Ho+3_H+1_HBED-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

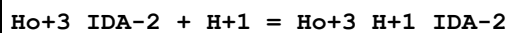
1	20	0.1	Unknown	lgK:5.2 (2SF)	6	CRV	552
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Reaction No. 62353



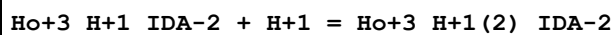
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:4.8 (2SF)	6	CRV	552

Reaction No. 62500



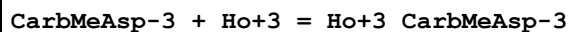
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	Unknown	lgK:4.04 (3SF)	6	CRV	552
2	25	1	Unknown	dH:-7.3 (2SF)	6	CRV	552

Reaction No. 62501



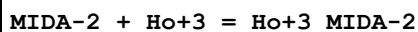
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	Unknown	lgK:2.15 (3SF)	6	CRV	552
2	25	1	Unknown	dH:-4.1 (2SF)	6	CRV	552

Reaction No. 62540



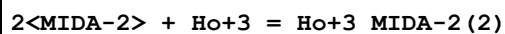
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:9.54 (3SF)	6	CRV	552

Reaction No. 62586



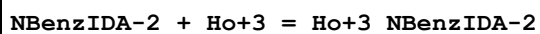
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:7.21 (3SF)	6	CRV	552

Reaction No. 62587



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:12.90 (4SF)	6	CRV	552

Reaction No. 62658



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:6.35 (3SF)	6	CRV	552

Reaction No. 62659							
$2\text{<NBenzIDA-2>} + \text{Ho+3} = \text{Ho+3_NBenzIDA-2(2)}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:11.25 (4SF)	6	CRV	552

Reaction No. 62695							
$2\text{<NTA-3>} + \text{Ho+3} = \text{Ho+3_NTA-3(2)}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	K+1 salt	lgK:21.1 (0.2SD)	6	CRV	552
2	25	0.1	Unknown	dH:-4.7 (2SF)	6	CRV	552

Reaction No. 62696							
$\text{Ho+3_NTA-3} + \text{OH-1} = \text{Ho+3_OH-1_NTA-3}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	K+1 salt	lgK:6.43 (3SF)	4	CRV	552
2	25	0.1	K+1 salt	lgK:6.66 (3SF)	4	CRV	552

Reaction No. 62749							
$2\text{MeNTA-3} + \text{Ho+3} = \text{Ho+3_2MeNTA-3}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:12.60 (4SF)	6	CRV	552

Reaction No. 62750							
$2\text{<2MeNTA-3>} + \text{Ho+3} = \text{Ho+3_2MeNTA-3(2)}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:22.18 (4SF)	4	CRV	552

Reaction No. 62773							
$2\text{EtNTA-3} + \text{Ho+3} = \text{Ho+3_2EtNTA-3}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:11.58 (4SF)	6	CRV	552

Reaction No. 62774							
$2\text{<2EtNTA-3>} + \text{Ho+3} = \text{Ho+3_2EtNTA-3(2)}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:20.10 (4SF)	4	CRV	552

Reaction No. 62799							
$2\text{PrNTA-3} + \text{Ho+3} = \text{Ho+3_2PrNTA-3}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:11.47 (4SF)	6	CRV	552

Reaction No. 62800							
$2<2\text{PrNTA-3}> + \text{Ho+3} = \text{Ho+3_2PrNTA-3 (2)}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:19.97 (4SF)	4	CRV	552

Reaction No. 62823							
$22\text{PrNTA-3} + \text{Ho+3} = \text{Ho+3_22PrNTA-3}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:10.05 (4SF)	6	CRV	552

Reaction No. 62824							
$2<22\text{PrNTA-3}> + \text{Ho+3} = \text{Ho+3_22PrNTA-3 (2)}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:17.42 (4SF)	4	CRV	552

Reaction No. 62847							
$2\text{HexNTA-3} + \text{Ho+3} = \text{Ho+3_2HexNTA-3}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	K+1 salt	lgK:11.53 (4SF)	6	CRV	552

Reaction No. 62859							
$\text{Ho+3_2BenzNTA-3} + 2\text{BenzNTA-3} = \text{Ho+3_2BenzNTA-3 (2)}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	K+1 salt	lgK:9.03 (3SF)	0	CRV	552
Note (1): Thermodynamically isolated							

Reaction No. 62920							
$\text{N2OHBenzIDA-3} + \text{Ho+3} = \text{Ho+3_N2OHBenzIDA-3}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:13.96 (4SF)	6	CRV	552
2	25	0.1	Unknown	lgK:14.00 (4SF)	6	CRV	552

Reaction No. 62921							
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2<N2OHBenzIDA-3> + Ho+3 = Ho+3_N2OHBenzIDA-3 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:24.64 (4SF)	6	CRV	552
2	25	0.1	Unknown	lgK:25.02 (4SF)	6	CRV	552

Reaction No. 62922							
Ho+3 + H+1_N2OHBenzIDA-3 = Ho+3_H+1_N2OHBenzIDA-3							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:5.78 (3SF)	4	CRV	552
2	25	0.1	Unknown	lgK:5.97 (3SF)	4	CRV	552

Reaction No. 62923							
Ho+3 + 2<H+1_N2OHBenzIDA-3> = Ho+3_H+1 (2)_N2OHBenzIDA-3 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:12.48 (4SF)	6	CRV	552

Reaction No. 62994							
N23DiOHPrIDA-2 + Ho+3 = Ho+3_N23DiOHPrIDA-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:8.84 (3SF)	6	CRV	552

Reaction No. 62995							
2<N23DiOHPrIDA-2> + Ho+3 = Ho+3_N23DiOHPrIDA-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	Unknown	lgK:16.80 (4SF)	4	CRV	552

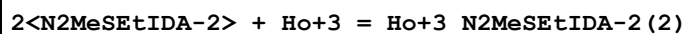
Reaction No. 63023							
N2MeoxEtIDA-2 + Ho+3 = Ho+3_N2MeoxEtIDA-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:8.06 (3SF)	6	CRV	552

Reaction No. 63024							
2<N2MeoxEtIDA-2> + Ho+3 = Ho+3_N2MeoxEtIDA-2 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:15.29 (4SF)	6	CRV	552

Reaction No. 65616							
N2MeSEtIDA-2 + Ho+3 = Ho+3_N2MeSEtIDA-2							

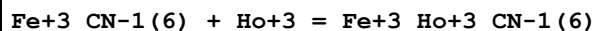
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:6.38(3SF)	6	CRV	552

Reaction No. 65617



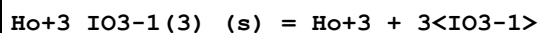
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:11.51(4SF)	6	CRV	552

Reaction No. 65659



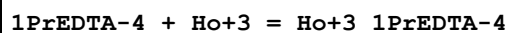
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:3.7(2SF)	4	CRV	552
2	25	0	Inf. Dilution	dG:-4.99(0.04SD)	4	EFE	5760
3	25	0	Inf. Dilution	dH:1.1(2SF)	4	CRV	552
4	25	0	Inf. Dilution	dH:1.06(0.02SD)	4	MTD	5760

Reaction No. 66005



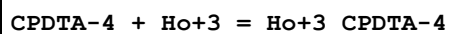
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-10.89(4SF)	1	EOR	
2	25	0	Inf. Dilution	lgK:-10.9(0.2SD)	1	CRV	552
3	25	0	Inf. Dilution	dG:14.83(4SF)	1	MSL	21965
4	25	0.1	Unknown	dH:3.2(2SF)	1	CRV	552

Reaction No. 66151



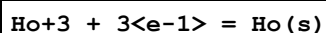
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:19.8(0.1SD)	6	MPL	1994

Reaction No. 66168



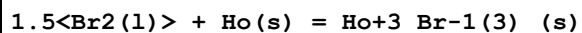
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:19.26(4SF)	6	CRV	552
2	20	0.1	Unknown	dH:1.6(2SF)	6	CRV	552

Reaction No. 66257



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	dG:161.4 (4SF)	2	CRV	6488
2	25	0	Inf. Dilution	dG:673.7 (4SF) kJ	5	CRV	7421
3	25	0	Inf. Dilution	dG:161.400 (6SF)	2	CRV	9029
4	25	0	Inf. Dilution	dG:161.40 (5SF)	2	CRV	10174
5	25	0	Inf. Dilution	dG:675.300 (0.300SD) kJ	4	CRV	32222
6	50	0	Inf. Dilution	dG:160.01 (5SF)	2	CRV	10174
7	75	0	Inf. Dilution	dG:158.57 (5SF)	2	CRV	10174
8	100	0	Inf. Dilution	dG:157.08 (5SF)	1	CRV	10174
9	125	0	Inf. Dilution	dG:155.55 (5SF)	1	CRV	10174
10	150	0	Inf. Dilution	dG:153.96 (5SF)	1	CRV	10174
11	175	0	Inf. Dilution	dG:152.31 (5SF)	1	CRV	10174
12	200	0	Inf. Dilution	dG:150.59 (5SF)	0	CRV	10174
13	225	0	Inf. Dilution	dG:148.79 (5SF)	0	CRV	10174
14	250	0	Inf. Dilution	dG:146.91 (5SF)	0	CRV	10174
15	300	0	Inf. Dilution	dG:142.80 (5SF)	0	CRV	10174
16	25	0	Inf. Dilution	E:-2.32 (3SF)	2	MDG	140
17	25	0	Inf. Dilution	E:-2.33 (3SF)	5	CRV	6330
18	25	0	Inf. Dilution	E:-2.33 (3SF)	4	ENS	7276
19	25	0	Inf. Dilution	E:-2.33 (3SF)	5	CRV	7761
20	25	0	Inf. Dilution	dH:169.0 (4SF)	4	CRV	6488
21	25	0	Inf. Dilution	dH:706.5 (4SF) kJ	5	CRV	7761
22	25	0	Inf. Dilution	dH:169.000 (6SF)	4	CRV	9029
23	25	0	Inf. Dilution	dH:707.040 (0.384SD) kJ	4	CRV	32222

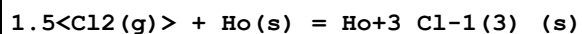
Reaction No. 67332



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:141.6 (4SF)	4	ENS	6422
2	27	0	Inf. Dilution	lgK:140.7 (4SF)	4	ENS	6422
3	127	0	Inf. Dilution	lgK:102.9 (4SF)	4	ENS	6422
4	227	0	Inf. Dilution	lgK:79.81 (4SF)	4	ENS	6422
5	327	0	Inf. Dilution	lgK:64.44 (4SF)	4	ENS	6422
6	25	0	Inf. Dilution	dG:-193.2 (4SF)	4	EFE	6422
7	25	0	Inf. Dilution	dH:-201.0 (4SF)	4	MTD	6422
8	127	0	Inf. Dilution	dH:-211.6 (4SF)	4	MTD	6422

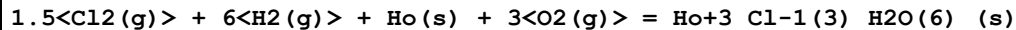
9	227	0	Inf. Dilution	dH:-211.2 (4SF)	4	MTD	6422
10	327	0	Inf. Dilution	dH:-210.7 (4SF)	4	MTD	6422

Reaction No. 67333



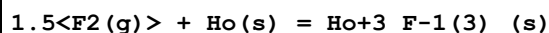
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:162.8 (4SF)	4	ENS	6422
2	27	0	Inf. Dilution	lgK:161.7 (4SF)	0	ENS	6422
3	127	0	Inf. Dilution	lgK:118.0 (4SF)	4	ENS	6422
4	227	0	Inf. Dilution	lgK:91.79 (4SF)	3	ENS	6422
5	327	0	Inf. Dilution	lgK:74.37 (4SF)	0	ENS	6422
6	25	0	Inf. Dilution	dG:-222.1 (4SF)	4	EFE	6422
7	25	0	Inf. Dilution	dH:-1005.4 (5SF) kJ	3	CRV	6330
8	25	0	Inf. Dilution	dH:-240.3 (4SF)	4	MTD	6422
9	127	0	Inf. Dilution	dH:-239.8 (4SF)	4	MTD	6422
10	227	0	Inf. Dilution	dH:-239.4 (4SF)	3	MTD	6422
11	327	0	Inf. Dilution	dH:-238.9 (4SF)	0	MTD	6422

Reaction No. 67334



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:431.0 (4SF)	4	ENS	6422
2	27	0	Inf. Dilution	lgK:427.8 (4SF)	0	ENS	6422
3	127	0	Inf. Dilution	lgK:302.6 (4SF)	2	ENS	6422
4	227	0	Inf. Dilution	lgK:227.4 (4SF)	1	ENS	6422
5	327	0	Inf. Dilution	lgK:177.3 (4SF)	0	ENS	6422
6	25	0	Inf. Dilution	dG:-587.9 (4SF)	4	EFE	6422
7	25	0	Inf. Dilution	dH:-687.9 (4SF)	2	MTD	6422
8	127	0	Inf. Dilution	dH:-687.8 (4SF)	1	MTD	6422
9	227	0	Inf. Dilution	dH:-687.7 (4SF)	0	MTD	6422
10	327	0	Inf. Dilution	dH:-687.8 (4SF)	0	MTD	6422

Reaction No. 67335



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:281.3 (4SF)	1	ELC	
2	25	0	Inf. Dilution	lgK:283.9 (4SF)	0	ENS	6422

3	27	0	Inf. Dilution	lgK:282.0 (4SF)	0	ENS	6422
4	127	0	Inf. Dilution	lgK:208.2 (4SF)	0	ENS	6422
5	227	0	Inf. Dilution	lgK:163.9 (4SF)	0	ENS	6422
6	327	0	Inf. Dilution	lgK:134.4 (4SF)	0	ENS	6422
7	25	0	Inf. Dilution	dG:-387.2 (4SF)	0	EFE	6422
8	25	0	Inf. Dilution	dH:-405.8 (4SF)	1	MTD	6422
9	127	0	Inf. Dilution	dH:-405.3 (4SF)	0	MTD	6422
10	227	0	Inf. Dilution	dH:-404.9 (4SF)	0	MTD	6422
11	327	0	Inf. Dilution	dH:-404.4 (4SF)	0	MTD	6422

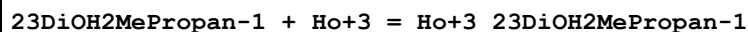
Reaction No. 67336							
2<Ho(s)> + 1.5<O2(g)> = Ho2O3(s)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:313.8 (4SF)	4	ENS	6422
2	27	0	Inf. Dilution	lgK:311.8 (4SF)	0	ENS	6422
3	127	0	Inf. Dilution	lgK:230.0 (4SF)	4	ENS	6422
4	227	0	Inf. Dilution	lgK:180.9 (4SF)	2	ENS	6422
5	327	0	Inf. Dilution	lgK:148.3 (4SF)	0	ENS	6422
6	25	0	Inf. Dilution	dG:-428.2 (4SF)	4	EFE	6422
7	25	0	Inf. Dilution	dG:-1795. (4SF) kJ	5	CRV	30332
Note (7): Value from LW3JTH option 2							
8	25	0	Inf. Dilution	dG:-428.21 (5SF)	3	CRV	31291
9	25	0	Inf. Dilution	dH:-449.5 (4SF)	4	MTD	6422
10	25	0	Inf. Dilution	dH:-1884.1 (5SF) kJ	5	CRV	30332
11	25	0	Inf. Dilution	dH:-449.55 (5SF)	3	CRV	31291
12	127	0	Inf. Dilution	dH:-449.0 (4SF)	1	MTD	6422
13	227	0	Inf. Dilution	dH:-448.5 (4SF)	0	MTD	6422
14	327	0	Inf. Dilution	dH:-448.0 (4SF)	0	MTD	6422

Reaction No. 67551							
DETAP-4 + Ho+3 = Ho+3_DETAP-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:15.01 (4SF)	5	MGL	6529

Reaction No. 67552							
Ho+3 + H+1_DETAP-4 = Ho+3_H+1_DETAP-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

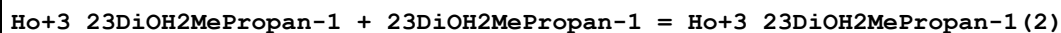
1	25	0.1	KNO3	lgK:9.06 (3SF)	5	MGL	6529
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Reaction No. 67669



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:3.11 (3SF)	5	MGL	6516

Reaction No. 67670



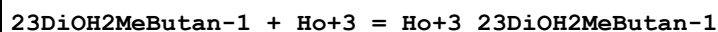
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:2.45 (3SF)	5	MGL	6516

Reaction No. 67671



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:1.79 (3SF)	5	MGL	6516

Reaction No. 67714



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:3.03 (3SF)	5	MGL	6516

Reaction No. 67715



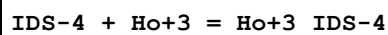
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:2.35 (3SF)	5	MGL	6516

Reaction No. 67716



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:1.34 (3SF)	3	MGL	6516

Reaction No. 68064



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:10.86 (4SF)	5	ENS	7168

Reaction No. 68436

Ho+3_C1-1 + Cl-1 = Ho+3_C1-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	DMF Et4NClO4	lgK:2.4(0.2MD)	5	MCL	7216
2	25	0.2	DMF Et4NClO4	dH:5.9(2SF)	5	MCL	7216

Reaction No. 68437							
Ho+3_C1-1(2) + Cl-1 = Ho+3_C1-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	DMF Et4NClO4	lgK:1.6(0.2MD)	5	MCL	7216
2	25	0.2	DMF Et4NClO4	dH:4.8(2SF)	5	MCL	7216

Reaction No. 68438							
Ho+3_C1-1(3) + Cl-1 = Ho+3_C1-1(4)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	DMF Et4NClO4	lgK:1.5(0.2MD)	5	MCL	7216

Reaction No. 68471							
Ho+3_Br-1(2) + Br-1 = Ho+3_Br-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	DiMeAcetamide Bu4NClO4	lgK:1.0(0.08MD)	5	MCL	7233
2	25	0.2	DiMeAcetamide Bu4NClO4	dH:3.59(3SF)	5	MCL	7233

Reaction No. 68509							
SCN-1 + Ho+3 = Ho+3_SCN-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	DMF Et4NClO4	lgK:1.7(0.1MD)	5	MCL	7221
2	25	0.2	DMF Et4NClO4	dH:1.91(3SF)	5	MCL	7221

Reaction No. 68510							
Ho+3_SCN-1 + SCN-1 = Ho+3_SCN-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

1	25	0.2	DMF Et4NClO4	lgK:1.3(0.3MD)	5	MCL	7221
2	25	0.2	DMF Et4NClO4	dH:1.2(2SF)	5	MCL	7221

Reaction No. 68511							
Ho+3_SCN-1(2) + SCN-1 = Ho+3_SCN-1(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	DMF Et4NClO4	lgK:0.5(0.3MD)	5	MCL	7221
2	25	0.2	DMF Et4NClO4	dH:5.98(3SF)	5	MCL	7221

Reaction No. 68672							
2<Mandelic-1> + Ho+3 = Ho+3_Mandelic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:5.35(0.09SD)	5	MGL	6794
2	25	0.1	NaClO4	dH:-5.6(2SF) kJ	5	MCL	7703

Reaction No. 68684							
Ho+3 + 2<H+1_Salicylic-2> = Ho+3_H+1(2)_Salicylic-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:3.8(0.2SD)	6	MGL	6794

Reaction No. 68696							
2<oAnisic-1> + Ho+3 = Ho+3_oAnisic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:4.1(0.05SD)	5	MGL	6794

Reaction No. 68717							
Tropic-1 + Ho+3 = Ho+3_Tropic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.05(0.02SD)	5	MGL	6794

Reaction No. 68718							
2<Tropic-1> + Ho+3 = Ho+3_Tropic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:4.0(0.09SD)	5	MGL	6794

Reaction No. 68735							
$2<2\text{AmBenz-1}> + \text{Ho}+3 = \text{Ho}+3_2\text{AmBenz-1}(2)$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:4.2(0.1SD)	4	MGL	6794

Reaction No. 68915							
$2<\text{Malic-2}> + \text{Ho}+3 = \text{Ho}+3_2\text{Malic-2}(2)$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:7.62(0.01SD)	3	MGL	6670
2	25	0.1	NaClO4	lgK:8.25(3SF)	3	MGL	11516
Note (2): Roulet R et al., Helv. Chim. Acta, 1970, 53, 1876							

Reaction No. 68970							
$\text{MeMalon-2} + \text{Ho}+3 = \text{Ho}+3_2\text{MeMalon-2}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	KCl	lgK:4.28(3SF)	5	MGL	6662

Reaction No. 68971							
$\text{Ho}+3_2\text{MeMalon-2} + \text{MeMalon-2} = \text{Ho}+3_2\text{MeMalon-2}(2)$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	KCl	lgK:2.21(3SF)	5	MGL	6662

Reaction No. 69691							
$[\text{15}]\text{N2O3} + \text{Ho}+3 = \text{Ho}+3_2[\text{15}]\text{N2O3}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Methanol Et4NC1O4	lgK:8.81(3SF)	5	MIS	3696

Reaction No. 69695							
$[\text{2.2.1}]\text{crypt} + \text{Ho}+3 = \text{Ho}+3_2[\text{2.2.1}]\text{crypt}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Methanol Et4NC1O4	lgK:10.86(4SF)	5	MIS	3696

Reaction No. 70772							
$4<2\text{OH2MePropan-1}> + \text{Ho}+3 = \text{Ho}+3_2\text{OH2MePropan-1}(4)$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	NaClO4	lgK:8.74(3SF)	5	MGL	7703

Reaction No. 70799							
2OH2MeButan-1 + Ho+3 = Ho+3_2OH2MeButan-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:3.24 (3SF)	5	MGL	7703

Reaction No. 70800							
2<2OH2MeButan-1> + Ho+3 = Ho+3_2OH2MeButan-1 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:5.87 (3SF)	5	MGL	7703

Reaction No. 70801							
3<2OH2MeButan-1> + Ho+3 = Ho+3_2OH2MeButan-1 (3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:7.72 (3SF)	5	MGL	7703

Reaction No. 70845							
2OH2EtButan-1 + Ho+3 = Ho+3_2OH2EtButan-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:3.11 (3SF)	5	MQH	7703

Reaction No. 70846							
2<2OH2EtButan-1> + Ho+3 = Ho+3_2OH2EtButan-1 (2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:5.25 (3SF)	5	MQH	7703

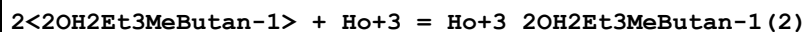
Reaction No. 70847							
3<2OH2EtButan-1> + Ho+3 = Ho+3_2OH2EtButan-1 (3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:6.71 (3SF)	5	MQH	7703

Reaction No. 70848							
4<2OH2EtButan-1> + Ho+3 = Ho+3_2OH2EtButan-1 (4)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:7.43 (3SF)	5	MQH	7703

Reaction No. 70882							
2OH2Et3MeButan-1 + Ho+3 = Ho+3_2OH2Et3MeButan-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

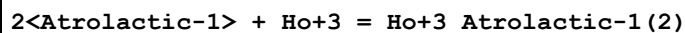
1	25	0.1	NaClO4	lgK:2.87 (3SF)	5	CRV	7271
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Reaction No. 70883



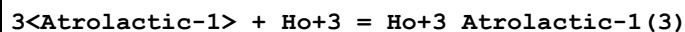
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:4.73 (3SF)	5	CRV	7271

Reaction No. 70959



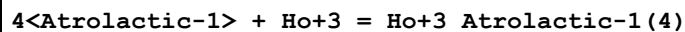
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:5.64 (3SF)	5	MGL	7703
2	25	1	NaClO4	lgK:5.35 (3SF)	5	MQH	7703
3	25	0.1	NaClO4	dH:-16.9 (3SF) kJ	5	MCL	7703

Reaction No. 70980



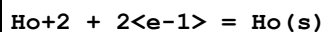
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:7.27 (3SF)	5	MQH	7703

Reaction No. 70981



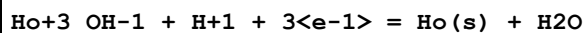
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	1	NaClO4	lgK:9.03 (3SF)	5	MQH	7703

Reaction No. 71096



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	E:-2.1 (2SF)	4	CRV	6330
2	25	0	Inf. Dilution	E:-2.1 (2SF)	3	CRV	7761
3	25	0	Inf. Dilution	dH:393.7 (4SF) kJ	3	CRV	7761

Reaction No. 72132



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	100	0	Inf. Dilution	lgK:-87.4 (3SF)	1	ELC	
2	25	0	Inf. Dilution	E:-2.18 (3SF)	5	CRV	7761

Reaction No. 72133

Ho+3_OH-1(3)_(s) + 3<e-1> = Ho(s) + 3<OH-1>							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-144.0(4SF)	1	ELC	
2	25	0	Inf. Dilution	E:-2.85(3SF)	0	CRV	7761
Note (2): Low wgt for inter-reaction consistency							
3	25	0	Inf. Dilution	dH:740.6(4SF)kJ	3	CRV	7761

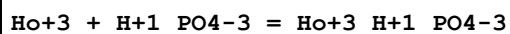
Reaction No. 72134							
Ho+3_OH-1(3)_(am.,s) + 3<e-1> = Ho(s) + 3<OH-1>							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	E:-2.82(3SF)	3	CRV	7761
2	25	0	Inf. Dilution	dH:740.(3SF)kJ	3	EES	
Note (2): By analogy with the crystalline solid							

Reaction No. 72173							
Ho+3 + H2O = Ho+3_OH-1 + H+1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-7.56(3SF)	4	MPS	8699
2	25	0	Inf. Dilution	lgK:-7.78(0.12SD)	4	EFE	8712
3	25	0	Inf. Dilution	lgK:-7.90(0.20SD)	4	CRV	32222
4	25	0.01	NaClO4	lgK:-7.69(3SF)	2	MPS	8699
5	25	0.05	NaClO4	lgK:-7.76(3SF)	4	MPS	8699
6	25	0.1	NaClO4	lgK:-7.80(3SF)	6	MPS	8699
7	25	0.2	NaClO4	lgK:-7.82(3SF)	6	MPS	8699
8	25	0.4	NaClO4	lgK:-7.85(3SF)	6	MPS	8699
9	25	0.7	NaClO4	lgK:-7.87(0.05SD)	4	MPS	8699
10	25	1	NaClO4	lgK:-7.88(3SF)	3	MPS	8699
11	25	2	NaClO4	lgK:-7.89(3SF)	4	MPS	8699
12	25	3	NaClO4	lgK:-7.90(3SF)	6	MPS	8699
13	25	4	NaClO4	lgK:-7.91(3SF)	6	MPS	8699
14	25	5	NaClO4	lgK:-7.91(3SF)	6	MPS	8699
15	25	6	NaClO4	lgK:-7.92(3SF)	6	MPS	8699
16	25	0	Inf. Dilution	dH:79.900(6.345SD)kJ	4	CRV	32222
17	25	0.7	NaClO4	dH:11.7(0.7SD)	0	MTD	8699

Reaction No. 72185							
Ho+3 + H+1_NTA-3 = Ho+3_NTA-3 + H+1							

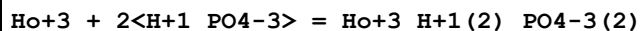
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:3.43(3SF)	4	EDH	8698

Reaction No. 72200



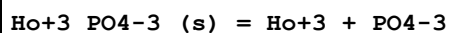
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:5.64(3SF)	3	CRV	8781

Reaction No. 72216



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:9.62(3SF)	3	CRV	8781

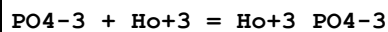
Reaction No. 72256



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-25.35(4SF)	1	EOR	
2	25	0	Inf. Dilution	lgK:-25.35(4SF)	4	EDH	8934

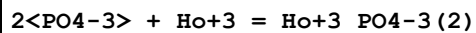
Note (2): Corrected to inf. dil. by Byrne & Kim, GCA, 93, 57, 519 [8915]

Reaction No. 72302



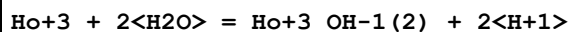
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:12.59(4SF)	1	EOR	
2	25	0	Inf. Dilution	lgK:12.59(0.13SD)	4	EFE	8712

Reaction No. 72303



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:21.27(4SF)	1	EOR	
2	25	0	Inf. Dilution	lgK:21.27(0.22SD)	4	EFE	8712

Reaction No. 72316



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-16.07(0.18SD)	4	EFE	8712
2	25	0	Inf. Dilution	lgK:-16.10(0.10SD)	4	CRV	32222

3	25	0	Inf. Dilution	dH:146.130 (6.268SD) kJ	4	CRV	32222
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Reaction No. 72317							
Ho+3 + 3<H2O> = Ho+3_OH-1(3) + 3<H+1>							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-24.56 (0.90SD)	4	EFE	8712
2	25	0	Inf. Dilution	lgK:-24.50 (0.10SD)	4	CRV	32222
3	25	0	Inf. Dilution	dH:216.360 (6.268SD) kJ	4	CRV	32222

Reaction No. 72353							
Oxalic-2 + Ho+3 = Ho+3_Oxalic-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:6.685 (4SF)	1	EOR	
2	25	0	Inf. Dilution	lgK:6.685 (4SF)	4	CRV	8697

Reaction No. 72354							
2<Oxalic-2> + Ho+3 = Ho+3_Oxalic-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:10.97 (4SF)	1	EOR	
2	25	0	Inf. Dilution	lgK:10.974 (5SF)	4	CRV	8697

Reaction No. 75023							
CrO4-2 + Ho+3 = Ho+3_CrO4-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	0.01	0	Inf. Dilution	lgK:4.1213 (5SF)	3	EOD	22958
2	25	0	Inf. Dilution	lgK:3.7816 (5SF)	3	EOD	22958
3	60	0	Inf. Dilution	lgK:3.4666 (5SF)	3	EOD	22958
4	100	0	Inf. Dilution	lgK:3.2550 (5SF)	3	EOD	22958
5	150	0	Inf. Dilution	lgK:3.1704 (5SF)	3	EOD	22958
6	200	0	Inf. Dilution	lgK:3.2830 (5SF)	3	EOD	22958

Reaction No. 75802							
Ho+3 + Glu-2 = Ho+3_Glu-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:4.57 (3SF)	5	MGL	11516
Note (1): Fomina T et al., Zhur. Phys. Khim., 1997, 71, 49							

Reaction No. 75833							
Ho+3_Asp-2 + Asp-2 = Ho+3_Asp-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KCl	lgK:4.90(3SF)	3	MGL	11516
Note (1): Dreyer R et al., Z. Phys. Chem., 1968, 238, 417							
2	30	0.1	NaClO4	lgK:4.79(3SF)	5	MGL	11516
Note (2): Kemin Y et al., Chem. J. of Chin. Univ., 1984, , 603							

Reaction No. 76003							
Ho+3 + Pyruvic-1 = Ho+3_Pyruvic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	2	NaClO4	lgK:1.34(3SF)	5	MMR	11516
Note (1): Choppin G et al., Inorg. Chem., 1980, 19, 1889							

Reaction No. 76101							
Ho+3 + 2<Hyp-1> = Ho+3_Hyp-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:5.38(3SF)	5	MGL	3366

Reaction No. 76306							
Ho+3_Malonic-2 + Malonic-2 = Ho+3_Malonic-2(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	KNO3	lgK:2.58(3SF)	5	MGL	4388
2	25	1	NaClO4	lgK:2.54(3SF)	5	MGL	10134

Reaction No. 76397							
Ho+3 + Benzoic-1 = Ho+3_Benzoic-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.01(3SF)	5	MCL	11516
Note (1): Choppin G et al., Inorg. Chem., 1982, 21, 3722							

Reaction No. 76398							
Ho+3_Benzoic-1 + Benzoic-1 = Ho+3_Benzoic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.76(3SF)	5	MCL	11516
Note (1): Choppin G et al., Inorg. Chem., 1982, 21, 3722							

Reaction No. 76437							
Ho+3 + PhenAcet-1 = Ho+3_PhenAcet-1							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:1.77 (3SF)	5	MGL	11516
Note (1): Hasegawa Y et al., Bull. Chem. Soc. Jpn., 1990, 63, 269							

Reaction No. 76450							
Ho+3 + Itaconic-2 = Ho+3_Itaconic-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.2	KCl	lgK:2.66 (3SF)	5	MGL	11516
Note (1): Makoushova G et al., Zhur. Neorg. Khim., 1989, 34, 628							

Reaction No. 76463							
Ho+3_Mandelic-1 + Mandelic-1 = Ho+3_Mandelic-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	NaClO4	lgK:2.30 (3SF)	5	MGL	6794

Reaction No. 76868							
2Thiobarb-2 + Ho+3 = Ho+3_2Thiobarb-2							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0.1	Unknown	lgK:3.195 (4SF)	1	EOD	22560
Note (1): Tabassum et al., Indian J. Chem., 1987, 26A, 489 & 523							

Reaction No. 78063							
EDTA-4 + P3O10-5 + Ho+3 = Ho+3_EDTA-4_P3O10-5							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:26.38 (4SF)	1	ELC	

Reaction No. 78077							
EDTA-4 + Acac-1 + Ho+3 = Ho+3_Acac-1_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:23.54 (4SF)	1	ELC	

Reaction No. 78082							
EDTA-4 + P3O10-5 + Ho+3 + H+1 = Ho+3_H+1_EDTA-4_P3O10-5							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:34.06 (4SF)	1	ELC	

Reaction No. 78365							
EDTA-4 + Ho+3 + F-1 = Ho+3_F-1_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:22.37 (4SF)	1	ELC	

Reaction No. 78385							
EDTA-4 + Ho+3 + 2<F-1> = Ho+3_F-1(2)_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:22.26 (4SF)	1	ELC	

Reaction No. 78438							
2<EDTA-4> + Ho+3 = Ho+3_EDTA-4(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:22.61 (4SF)	1	ELC	

Reaction No. 78458							
EDTA-4 + Ho+3 + H+1 = Ho+3_H+1_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:22.0 (4SF)	1	ELC	

Reaction No. 78466							
EDTA-4 + 5ATP-4 + Ho+3 = Ho+3_5ATP-4_EDTA-4							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:25.8 (4SF)	1	ELC	

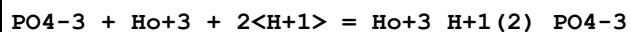
Reaction No. 78476							
3<EDTA-4> + 2<Ho+3> = Ho+3(2)_EDTA-4(3)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:44.18 (4SF)	1	ELC	

Reaction No. 78498							
2<Citric-3> + Ho+3 + H+1 = Ho+3_H+1_Citric-3(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:19.65 (4SF)	1	ELC	

Reaction No. 79192							
3<OH-1> + Ho+3 = Ho+3_OH-1(3)_(am.,s)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

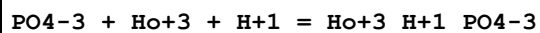
1	25	0	Inf. Dilution	lgK:24.2 (3SF)	1	ELC	
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Reaction No. 79215



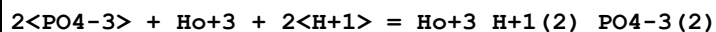
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:21.73 (4SF)	1	ELC	

Reaction No. 79226



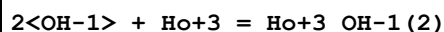
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:17.97 (4SF)	1	ELC	

Reaction No. 79237



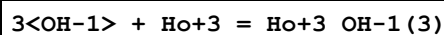
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:34.27 (4SF)	1	ELC	

Reaction No. 79245



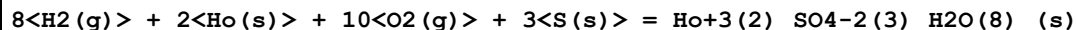
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:11.93 (4SF)	1	ELC	

Reaction No. 79246



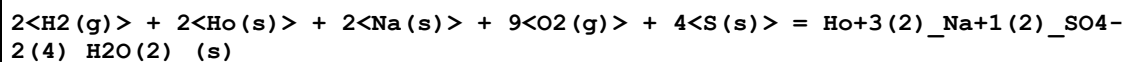
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:17.44 (4SF)	1	ELC	

Reaction No. 80553



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	dG:-1315.6 (5SF)	3	ERP	31293

Reaction No. 80554



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	dG:-1286.2 (5SF)	3	ERP	31293

Reaction No. 80573							
$\text{Ho(s)} + 2\text{O}_2\text{(g)} + \text{S(s)} - \text{e-1} = \text{Ho+3_SO4-2}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:252.0(4SF)	1	ELC	
2	25	0	Inf. Dilution	dG:-340.2(4SF)	0	ERP	31293

Reaction No. 80721							
$\text{Ho+2} + \text{H+1} + 0.25\text{O}_2 = \text{Ho+3} + 0.5\text{H}_2\text{O}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:68.6(3SF)	1	ELC	
2	25	0	Inf. Dilution	lgK:67.38(4SF)	0	CRV	31585

Reaction No. 80757							
$\text{H+1} + \text{Citric-3} + \text{Ho+3} = \text{Ho+3_H+1_Citric-3}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:10.59(0.03SD)	3	MGL	31631

Reaction No. 80758							
$\text{Ho+3} + \text{Citric-3} = \text{Ho+3_H+1(-1)_Citric-3} + \text{H+1}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	20	0.1	KNO3	lgK:0.64(0.05SD)	3	MGL	31631

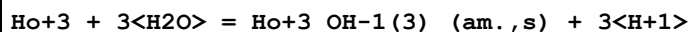
Reaction No. 81063							
$\text{Ho+3} + 4\text{H}_2\text{O} = \text{Ho+3_OH-1(4)} + 4\text{H+1}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-33.40(0.20SD)	4	CRV	32222
2	25	0	Inf. Dilution	dH:254.150(6.345SD)kJ	4	CRV	32222

Reaction No. 81066							
$2\text{Ho+3} + 3\text{H}_2\text{O} = \text{Ho}_2\text{O}_3\text{(s)} + 6\text{H+1}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-47.41(0.88SD)	4	CRV	32222
2	25	0	Inf. Dilution	dH:390.720(5.061SD)kJ	4	CRV	32222

Reaction No. 81067							
$\text{Ho+3} + 3\text{H}_2\text{O} = \text{Ho+3_OH-1(3)_(s)} + 3\text{H+1}$							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #

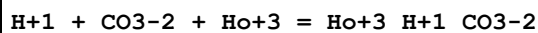
1	25	0	Inf. Dilution	lgK:-15.40(4SF)	4	CRV	32222
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Reaction No. 81068



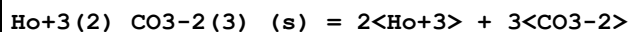
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-17.80(4SF)	4	CRV	32222

Reaction No. 81069



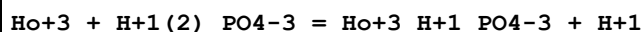
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:12.50(0.50SD)	4	CRV	32222

Reaction No. 81070



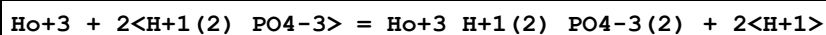
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:33.80(1.00SD)	4	CRV	32222

Reaction No. 81072



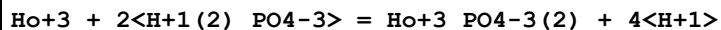
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-1.41(0.20SD)	4	CRV	32222

Reaction No. 81075



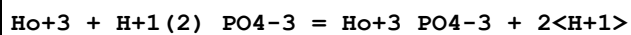
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-4.52(0.30SD)	4	CRV	32222

Reaction No. 81077



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-17.82(4SF)	4	CRV	32222

Reaction No. 81078



No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-6.96(3SF)	4	CRV	32222

Reaction No. 81081

Ho+3 + H+1(2)_PO4-3 + H2O = Ho+3_PO4-3_H2O_(s) + 2<H+1>							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:4.64(3SF)	4	CRV	32222

Reaction No. 81082							
Ho+3 + H+1(2)_PO4-3 = Ho+3_PO4-3_(s) + 2<H+1>							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:5.56(0.13SD)	4	CRV	32222

Reaction No. 81084							
2<Cl-1> + Ho+3 = Ho+3_Cl-1(2)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-0.29(0.50SD)	4	CRV	32222
2	25	0	Inf. Dilution	dH:36.300(6.859SD)kJ	4	CRV	32222

Reaction No. 81086							
Ho+3 + 3<F-1> + 0.5<H2O> = Ho+3_F-1(3)_H2O(0.5)_(s)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:16.40(4SF)	4	CRV	32222
2	25	0	Inf. Dilution	dH:149.010(2.628SD)kJ	4	CRV	32222

Reaction No. 81087							
Ho+3 + 3<Cl-1> + 6<H2O> = Ho+3_Cl-1(3)_H2O(6)_(s)							
No	t	I-Str	Medium	Value (Dev)	W	Tech.	Ref. #
1	25	0	Inf. Dilution	lgK:-5.39(3SF)	4	CRV	32222
2	25	0	Inf. Dilution	dH:43.855(5SF)kJ	4	CRV	32222

Data Assessment

Weight	Assessment
9	highest accuracy
8	multi-determined; excellent dependability
7	trustworthy; outstanding single determination
6	better than average reliability
5	average single determination
4	some doubt

3	poorly known
2	guess to achieve consistency (or just as bad)
1	no information but consistent
0	problematic/inconsistent

Techniques

Abbrev	Method
CMN	Several experimental values (crit.)
CRV	Critical review
EDH	Debye-Hueckel corrections
EES	Personal estimate
EFE	Free Energy relations
EIE	Interpolation/Extrapolation (not Debye-Hueckel)
EIU	Critical IUPAC review (estim.)
ELC	Linear Combination of Reactions
EMU	Method unknown
ENS	Not specified
EOD	Calculated from data of others
EOR	Other Reaction Constants
ERP	Regression procedure
ESC	Standard conditions anchor
MAG	Silver electrode e.m.f.
MCE	Cation exchange
MCL	Calorimetry
MCN	Conductivity
MDG	Combination of Thermodynamic Data
MDS	Distribution between two phases
MEF	Electromotoric force, not specified
MEP	Electrophoresis
MGL	Glass electrode
MHG	Emf with amalgam electrode
MIS	Ion selective electrode
MIX	Ion exchange

MKN	Rate of reaction
MLC	Ligand competition
MMC	Metal competition
MMR	Nuclear magnetic resonance
MPH	pH method, not specified
MPL	Polarography
MPS	Potentiometry and Spectrophotometry
MPT	Potentiometry
MQH	Quinhydrone electrode
MRX	Emf with redox electrode
MSC	Miscellaneous
MSE	Solvent Extraction
MSL	Solubility
MSP	Spectroscopy
MTD	Temperature difference

References

Reference No.: 140(64SiM)

Stability Constants of Metal-ion Complexes SP17, 1964 Sillen LG; Martell AE; The Chemical Soc., London

Reference No.: 148(84Pao)

Pure Appl. Chem., 1984, 56, 491 - 522; Paoletti P; Formation of Metal Complexes with Ethylenediamine: a Critical Survey of Equilibrium Constants, Enthalpy and Entropy Values

Reference No.: 233(89SmM)

Critical Stability Constants, Vol. 6, 1989 Smith RM; Martell AE; Plenum, New York

Reference No.: 437(80BoH)

IUPAC Chemical Data Series No. 27, 1980 Bond AM; Hefter GT; Critical Survey of Stability Constants and Related Thermodynamic Data of Fluoride Complexes in Aqueous Solution; Pergamon, Oxford, U.K.

Reference No.: 514(62KoP)

Inorg. Chem., 1962, 1, 293 - 296; Kolat RS; Powell JE; Acetate Complexes of the Rare Earth and Several Transition Metal Ions

Reference No.: 552(95SMM)

NIST Critical Stability Constants of Metal Complexes Database, 1995 Smith RM; Martell AE; Motekaitis RJ; Version 2.0; National Institute of Standards and Technology, Gaithersburg, USA

Reference No.: 643(67DeC)

J. Inorg. Nucl. Chem., 1967, 29, 725 - 735; De Carvalho RG; Choppin GR; Lanthanide and Actinide Sulfate Complexes - I. Determination of Stability Constants

Reference No.: 773(85KoS)

Handbook of Chemical Equilibria in Analytical Chemistry, 1985 Kotrly S; Sucha L; Ellis Horwood Series in Anal. Chem.; Eds. Chalmers RA & Masson M; Ellis Horwood, Chichester

Reference No.: 903(77And)

Critical Survey of Stability Constants of EDTA Complexes, 1977 Anderegg G; IUPAC Chemical Data Series. 14; Pergamon Press, Oxford

Reference No.: 905(95Ber)

Pure Appl. Chem., 1995, 67, 1117 - 143; Berthon G; Critical Review of Formation Constants of Selected Amino Acids with Polar Side Chains

Reference No.: 906(79Per)

IUPAC Chemical Data Series No. 22, 1979 Perrin DD; Stability Constants of Metal-Ion Complexes, First Edition Part B, Organic Ligands; Pergamon, Oxford

Reference No.: 931(71SiM)

Stability Constants of Metal-ion Complexes SP25, 1971 Sillen LG; Martell AE; Supplement No 1 to Special Publication No 25; Chemical Society, London

Reference No.: 932(94ToB)

Inorg. Chim. Acta, 1994, 221, 165 - 167; Toth E; Brucher E; Stability Constants of the Lanthanide(III)-1,4,7,10-tetraazacyclo- dodecane-N,N',N'',N'''-tetraacetate Complexes

Reference No.: 999(91MaM)

Estimation of Constants for JESS Database, 1991 May PM; May RF

Reference No.: 1032(86BDM)

J. Chem. Soc., Dalton Trans., 1986,, 2497 - 2499; Barthelemy PP; Desreux JF; Massaux J; Complexation of Lanthanides by Linear Polyethers in Propylene Carbonate: A 'Crown-like' Behavior

Reference No.: 1067(89SaP)

Polyhedron, 1989, 8, 1425 - 1430; Sawyer DJ; Powell JE; Lanthanide-anion of a New Polyaminopolycarboxylate, DTTAP

Reference No.: 1118(82And)

Pure Appl. Chem., 1982, 54, 2693 - 2758; Anderegg G; Critical Survey of Stability Constants of NTA Complexes

Reference No.: 1166(86Ohy)

Polyhedron, 1986, 5, 1165 - 1170; Ohyoshi E; Relative Stabilities of Metal Complexes of 4-(2-Pyridylazo) resorcinol and 4-(2-Thiazolylazo)Resorcinol

Reference No.: 1335(88CCM)

Inorg. Chem., 1988, 27, 3786 - 3789; Chang CA; Chang PH-L; Manchanda VK; Kasprzyk SP; Equilibria and Dissociation Kinetics of Lanthanide Complexes of Diaza Crown Ether Carboxylic Acids

Reference No.: 1351(75BKN)

J. Inorg. Nucl. Chem., 1975, 37, 1009 - 1012; Brucher E; Kiraly R; Nagypal I; Equilibrium Relations of Rare Earth Ethylene-diamine-tetraacetate Complexes in the Presence of a Ligand Excess

Reference No.: 1377(87CNS)

Inorg. Chem., 1987, 26, 958 - 960; Cacheris WP; Nickle SK; Sherry AD; Thermodynamic Study of Lanthanide Complexes of 1,4,7-Triazacyclononane-N,N',N'',-triacetic Acid and 1,4,7,10-Tetraazacyclododecane-N,N',N'',N'''- tetraacetic Acid

Reference No.: 1437(91SMC)

Pure Appl. Chem., 1991, 63, 1015 - 1080; Smith RM; Martell AE; Chen YT; Critical Evaluation of Stability Constants for Nucleotide Complexes with Protons and Metal Ions

Reference No.: 1481(88HSC)

Inorg. Chim. Acta, 1988, 143, 277 - 280; Hasegawa Y; Sugawara T; Choppin GR; Thermodynamic Parameters of Complexation of Lanthanoid(III) with Ascorbic Acid

Reference No.: 1491(86ChO)

Inorg. Chem., 1986, 25, 355 - 358; Chang CA; Ochaya VO; Potential Lanthanide Selective Reagents. 3. 1,2 Metal Complex Formation with 1,7-Diaza-4,10,13-trioxacyclopentadecane-N,N'-diacetic Acid

Reference No.: 1492(86PLT)

Inorg. Chem., 1986, 25, 585 - 586; Powell JE; Ling DR; Tse P-K; Complexes of Rare-Earth Elements with 1,3-Diamino-2-hydroxypropane-N,N,N'-tetraacetic Acid

Reference No.: 1497(86RCD)

Inorg. Chem., 1986, 25, 2327 - 2330; Riskalla EN; Choppin GR; D'Olieslager W; Thermodynamics of Complexation of Lanthanide Ions by N-Methylethylenediamine-N,N',N''-triacetic Acid

Reference No.: 1499(86CDR)

Inorg. Chem., 1986, 25, 3581 - 3584; Choppin GR; Dadgar A; Riskalla EN; Thermodynamics of Complexation of Lanthanides by Dicarboxylate Ligands

Reference No.: 1514(81BuB)

Inorg. Chem., 1981, 20, 616 - 616; Burns JH; Baes CF Jr; Stability Quotients of Some Lanthanide Cryptates in Aqueous Solutions

Reference No.: 1516(84Ohy)

Talanta, 1984, 31, 1129 - 1132; Ohyoshi E; Spectrophotometric Determination of Formation Constants of 1:1 Complexes of Lanthanides with 4-(2-Pyridylazo)resorcinol (PAR)

Reference No.: 1526(87PeL)

Talanta, 1987, 34, 445 - 448; Petrola R; Lampen P; Stability Order of the Lanthanide Chelates of Two Disubstituted 3-Hydroxy-4H-Pyran-4-ones in Aqueous Solution

Reference No.: 1555(91KSG)

Pure Appl. Chem., 1991, 63, 597 - 638; Kiss T; Sovago I; Gergely A; Critical Survey of Stability Constants of Complexes of Glycine

Reference No.: 1579(74GrG)

Acta Chem. Scand., 1974, A28, 125 - 143; Grenthe I; Gardhammar G; Thermodynamic Properties of Rare Earth Complexes. XX. Free Energy, Enthalpy and Entropy Changes for the Formation of Rare Earth(III) Complexes with Dicarboxylates, -OCOCH₂RCH₂CH₂RCH₂COO-, R=S,O or NH

Reference No.: 1852(80Nay)

J. Inorg. Nucl. Chem., 1980, 42, 1743 - 1747; Nayan R; Protonated, Hydroxo and Mixed Protonated-Hydro Complex Equilibria of Rare Earth Ions with Methyl Thymol Blue

Reference No.: 1929(79NaS)

J. Inorg. Nucl. Chem., 1979, 41, 251 - 252; Nair PKR; Srinivasulu K; Studies on Lanthanides. Stability Constants and Thermodynamic Functions for the Formation of some Lanthanides(III) CPTA Complexes

Reference No.: 1932(71IrS)

J. Inorg. Nucl. Chem., 1971, 33, 217 - 231; Irving HMNH; Sharpe K; Complexes of meso- and dl-2,3-Diaminobutane-N,N,N',N'-Tetraacetic Acid with Rare Earth Cations

Reference No.: 1946(85TsP)

Inorg. Chem., 1985, 24, 2727 - 2730; Tse P-K; Powell JE; Study of Structural Influence on the Formation Constants of Lanthanide-Polyamino Polycarboxylate Complexes

Reference No.: 1970(73FMD)

J. Inorg. Nucl. Chem., 1973, 35, 3269 - 3275; Feige P; Mockler D; Dreyer P; Munze P; Zur Komplexbildung Ausgewählter Lanthaniden mit Verschiedenen Peptiden

Reference No.: 1978(78NLM)

Chem. Zvesti, 1978, 32, 19 - 26; Novak V; Lucansky J; Majer J; Meue Komplexane. XXXII. Synthese und Studium der Eigenschaften der 2-Methyl-1,2-diaminopropan-N,N,N',N'-tetraessigsäure

Reference No.: 1981(79MBN)

Chem. Zvesti, 1979, 33, 742 - 748; Majer J; Butvin P; Novak V; Svickova M; Fuleova E; Valaskova I; Novak J; New Complexanes. XXXV. Properties of 1,2-Diaminooctane-N,N,N',N'-tetraacetic Acid

Reference No.: 1994(74NLS)

Chem. Zvesti, 1974, 28, 324 - 331; Novak V; Lucansky J; Svickova M; Majer J; Neue Komplexane. XXVIII. Polarographisches Studium der Chelatbildenden Eigenschaften der 1,2-Diaminopentan-N,N,N',N'-tetraessigsäure und der 1,2-Diaminohexan-N,N,N',N'-tetraessigsäure

Reference No.: 1995(68NLM)

Chem. Zvesti, 1968, 22, 721 - 732; Novak V; Lucansky J; Majer J; Neue Komplexane. (XIV). Die 1,2-Diaminobutan-N,N,N',N'-tetraessigsäure und das polarographische Studium ihrer Komplexe mit den Lanthaniden und einigen zweiwertigen Kationen als Zentralatome

Reference No.: 1998(67NKL)

Chem. Zvesti, 1967, 21, 687 - 697; Novak V; Kotoucek M; Lucansky J; Majer J; Nove Komplexany. (X). Polarograficke Sledovanie Chelatov Kyseliny etylendiamin-N,N'-dioctovej-N,N'-(alpha,alpha'-dipropionovej) s Lantanidmi a Niektorými Dvojmocnými Kationmi

Reference No.: 2002(65NMS)

Chem. Zvesti, 1965, 19, 817 - 825; Novak V; Majer J; Svickova M; Nove Komplexany (III). Polarograficke Urcenie Konstant Stability Komplexov Kyseliny mezo-2,3-diaminobutan-N,N,N',N'-tetraoctovej s Lantanidmi

Reference No.: 2005(66NSM)

Chem. Zvesti, 1966, 20, 252 - 260; Novak V; Svickova M; Majer J; Nove Komplexany. (VI). Konstanty Stability Komplexov Racemickej Kyseliny 2,3-diaminobutan-N,N,N',N'-tetraoctovej s Lantanidmi Urcene Polarografickou Metodou Vymenných Rovnovážnych Sustav

Reference No.: 2008(69NDS)

Chem. Zvesti, 1969, 23, 861 - 868; Novak V; Dvorakova E; Svickova M; Majer J; New Complexanes. XIX. Complex-forming Properties of Ethylenediamine-N,N'-diacetic-N,N'-(2,2'-dialkanecarboxylic) Acids

Reference No.: 2010(69NDS)

Chem. Zvesti, 1969, 23, 330 - 335; Novak V; Dvorakova E; Svickova M; Majer J; Neue Komplexe. XVII. Studium der Chelate der Phenylathyldiamin- tetraessigsäure

Reference No.: 2012(68NLM)

Chem. Zvesti, 1968, 22, 733 - 742; Novak V; Lucansky J; Majer J; Neue Komplexe. (XV). Komplexbildende Reagenzien vom Typ der 1,2-Diaminoisoalkan-N,N,N',N'-tetraessigsäuren und das Polaro- graphische Studium ihrer Komplexbildenden Eigenschaften

Reference No.: 2028(62Tho)

J. Inorg. Nucl. Chem., 1962, 24, 1083 - 1087; Thompson LC; Complexes of the Rare Earths-II. N,N'-Ethylenediamine-diacetic Acid

Reference No.: 2064(72MaC)

J. Inorg. Nucl. Chem., 1972, 34, 357 - 359; Manku GS; Chadha RC; Lanthanon(III) Complexes with Ethanediol, Propane-1,2-diol and Glycerol in Aqueous Medium

Reference No.: 2121(61MoF)

J. Inorg. Nucl. Chem., 1961, 20, 261 - 273; Moller T; Ferrus R; Observations on the Rare Earths - LXXIII. The Heat and Entropy of Formation of the 1:1 Chelates of N-Hydroxyethylethylenediaminetri- acetic Acid with the Tripositive Cations

Reference No.: 2130(61ChC)

J. Inorg. Nucl. Chem., 1961, 22, 97 - 113; Choppin GR; Chopoorian JA; Complexes of the Lanthanide Elements with alpha-Hydroxy Carboxylate Ligands

Reference No.: 2150(66PoR)

Inorg. Chem., 1966, 5, 819 - 822; Powell JE; Rowlands DLG; The Successive Stabilities and Proposed Models of the Rare Earth 1-Hydroxycyclopentanecarboxylic Acid Chelates

Reference No.: 2221(93CCD)

J. Chem. Soc., Dalton Trans., 1993,, 1695 - 1698; Cassol A; Choppin GR; Di Bernardo P; Portanova R; Tolazzi M; Tomat G; Zanonato PL; Thermodynamics of Lanthanide(III) Complex Formation with Nitrogen-donor Ligands in Dimethyl Sulfoxide

Reference No.: 2261(93PeP)

IUPAC Stability Constants Database, 1993 Pettit LD; Powell HKJ; IUPAC (in co-operation with Academic Software), Otley, UK

Reference No.: 2270(93ALJ)

Acta Chem. Scand., 1993, 47, 535 - 540; Anttila R; Lajunen LHJ; Jokisaari J; Laitinen RS; Complexation Thermodynamics of Lanthanoids(III) with 3-Bromo-5-sulfosalicylic Acid

Reference No.: 2333(74BKZ)

J. Inorg. Nucl. Chem., 1974, 36, 2620 - 2623; Brucher E; Kukri CsE; Zekany L; The Protonation Constants of the Lanthanide(III)-ethylenediamine- tetraacetate Complexes

Reference No.: 2373(89And)

Comprehensive Coordination Chemistry, Vol. 2, 1989, 777 - 792; Anderegg G; Complexones

Reference No.: 2389(84BuM)

Polyhedron, 1984, 3, 31 - 38; Bukietynska K; Mondry A; Spectroscopic Studies on the Mixed Nd+3-La+3 and Ho+3-Gd+3 Acetate Systems as an Example of the Determination of Stability Constants from Electronic Spectroscopic Data

Reference No.: 2392(93SKG)

Pure Appl. Chem., 1993, 65, 1029 - 1080; Sovago I; Kiss T; Gergely A; Critical Survey of the Stability Constants of Complexes of Aliphatic Amino Acids

Reference No.: 2556(93MSM)

NIST Critical Stability Constants of Metal Complexes Database, 1993 Martell AE; Smith RM; Motekaitis RJ; Version 1.0; National Institute of Standards and Technology, Gaithersburg, USA

Reference No.: 2650(77GGC)

J. Inorg. Nucl. Chem., 1977, 39, 2021 - 2023; Gritmon TF; Goedken MP; Choppin GR; The Complexation of Lanthanides by Aminocarboxylate Ligands - I. Stability Constants

Reference No.: 2651(77CGG)

J. Inorg. Nucl. Chem., 1977, 39, 2025 - 2030; Choppin GR; Goedken MP; Gritmon TF; The Complexation of Lanthanides by Aminocarboxylate Ligands- II. Thermodynamic Parameters

Reference No.: 3058(76Laj)

Finn. Chem. Lett., 1976,, 31 - 35; Lajunen LHJ; Formation of Lanthanoid(III) Complexes of Catchol-3,5-disulphonic Acid in Aqueous Solution

Reference No.: 3059(76Laj)

Finn. Chem. Lett., 1976,, 36 - 39; Lajunen LHJ; Formation of Lanthanoid(III) Complexes of 3,5-Disulphosalicylic Acid in Aqueous Solution

Reference No.: 3060(76Laj)

Finn. Chem. Lett., 1976,, 53 - 57; Lajunen LHJ; Formation of Lanthanoid(III) Complexes of 2,3-Dihydroxy-naphthalene-6-sulphonic Acid in Aqueous Solution

Reference No.: 3088(75YuB)

J. Inorg. Nucl. Chem., 1975, 37, 1757 - 1759; Yun SS; Bear JL; The Thermodynamics of Lanthanide Tartrate Formation in Aqueous Solution

Reference No.: 3169(76YCB)

J. Inorg. Nucl. Chem., 1976, 38, 587 - 589; Yun SS; Choppin GR; Blakeway D; Thermodynamic Parameters of Complexation of the Lanthanides by Furoate

Reference No.: 3231(78ChO)

Inorg. Chem., 1978, 17, 2300 - 2302; Choppin GR; Orebaugh E; Lanthanide Croconate Complexation in Solution

Reference No.: 3233(68PoI)

Inorg. Chem., 1968, 7, 2459 - 2461; Powell JE; Ingemanson JW; Lanthanide Picolinate Chelate Stabilities

Reference No.: 3234(68ChM)

Inorg. Chem., 1968, 7, 2657 - 2659; Choppin GR; Martinez-Perez LA; Thermodynamics of the Mercaptopropionate Complexes of the Lanthanides

Reference No.: 3239(62MoT)

J. Inorg. Nucl. Chem., 1962, 24, 499 - 510; Moller T; Thompson LC; Observations on the Rare Earths - LXXV. The Stabilities of Diethylenetriaminepentaacetic Acid Chelates

Reference No.: 3253(62MoH)

J. Inorg. Nucl. Chem., 1962, 24, 1635 - 1643; Moller T; Hseu TM; Observations on the Rare Earths - LXXVI. The Stabilities of the trans-1,2-Diaminocyclohexane-N,N'-tetraacetic Acid Chelates of the Tri-positive Ions

Reference No.: 3258(64Pra)

J. Inorg. Nucl. Chem., 1964, 26, 661 - 662; Prasilova J; Determination of Step-wise Complex Constants of Holmium and Ytterbium Acetylacetonates by Ion Exchange Method

Reference No.: 3272(64IrC)

J. Inorg. Nucl. Chem., 1964, 26, 1945 - 1957; Irving HMNH; Conesa JP; The Stabilities of Complexes of the Rare Earths with Propylenediaminetetraacetic Acid

Reference No.: 3355(86CzM)

Monatsh. Chem., 1986, 117, 437 - 441; Czakis-Sulikowska DM; Malinowska A; Complex Formation Studies on Ho(III) and Lu(III) with 1-(2-Pyridylazo)-2-naphthol (PAN) in Alcohol-Water Solutions

Reference No.: 3366(81ZLW)

Monatsh. Chem., 1981, 112, 1245 - 1252; Zielinski S; Lomozik L; Wojciechowska A; Potentiometric Studies on the Complex Formation of Lanthanides with Proline and Hydroxyproline

Reference No.: 3696(83AAS)

Helv. Chim. Acta, 1983, 66, 1296 - 1306; Almasio M-C; Arnaud-Neu F; Schwing-Weill M-J; Complexes Macrocycliques des Lanthanides: Stabilite et Comportement Electrochimique dans le Methanol et le Carbonate de Propylene

Reference No.: 3749(62BCQ)

J. Inorg. Nucl. Chem., 1962, 24, 1601 - 1606; Bear JL; Choppin GR; Quagliano JV; Complexes of Lanthanide Elements with Mercapto Acetate Ligands

Reference No.: 3848(86LaC)

Inorg. Chim. Acta, 1986, 119, 83 - 85; Lajunen LHJ; Choppin GR; Complex Formation Equilibria between Fumaric Acid and Lanthanides

Reference No.: 3849(86LLC)

Inorg. Chim. Acta, 1986, 119, 87 - 91; Lajunen LHJ; Lajunen M; Choppin GR; The Thermodynamics of the Complexation of Lanthanides by 1-Hydroxy-4,7-disulfo-2-naphthoic Acid

Reference No.: 3893(88LLC)

Inorg. Chim. Acta, 1988, 147, 127 - 130; Lajunen LHJ; Lajunen M; Choppin GR; Yao K; Thermodynamics of Complexation of Lanthanides by 3- and 4-Hydroxybenzoic Acids

Reference No.: 3895(88SJC)

Inorg. Chim. Acta, 1988, 147, 261 - 264; Szczepaniak W; Juskowiak B; Ciszewska W; Lanthanide Complex Formation with a Hexaaza Macrocyclic Ligand, 1,4,7,10,13,16-Hexaazacyclooctadecane (A618-Crown-6)

Reference No.: 3914(88CLR)

Inorg. Chim. Acta, 1988, 145, 309 - 314; Choppin GR; Liu Q; Rizkalla EN; Thermodynamics of Complexation of Lanthanides by Methoxybenzoates

Reference No.: 3915(88RNC)

Inorg. Chim. Acta, 1988, 146, 135 - 142; Rizkalla EN; Niu C; Choppin GR; Thermodynamics and Nuclear Magnetic Resonance Studies of Lanthanide Complexation by Ethylenediamine-NN'-diacetate-NN'-di-3-propionate

Reference No.: 3938(85ChB)

Inorg. Chim. Acta, 1985, 109, 99 - 104; Choppin GR; Brock JL; Thermodynamics of Lanthanide TMEDTA Complexation

Reference No.: 4388(68PFN)

J. Inorg. Nucl. Chem., 1968, 30, 2223 - 2231; Powell JE; Farrell JL; Neillie WFS; Russell R; Stability Trends of 1:1 and 2:1 Dialkylmalonato Rare-Earth Chelates

Reference No.: 4404(66KoR)

Russ. J. Inorg. Chem., 1966, 11, 598 - 602; Kostromina NA; Romanenko ED; Influence of the Solvent on the Dissociation Constants of Gluconic Acid and the Stability Constants of Gluconato-complexes of the Rare-Earth Elements

Reference No.: 4446(66DaD)

Russ. J. Inorg. Chem., 1966, 11, 53 - 55; Davidenko NK; Deribon VF; Stability of Cationic Complexes of the Rare-Earth Elements with Tartaric and Trihydroxyglutaric Acids

Reference No.: 4448(66Kos)

Russ. J. Inorg. Chem., 1966, 11, 207 - 209; Kostromina NA; Spectrophotometric and Potentiometric Determination of the Acidic Dissociation Constants of Some Rare-Earth Element Gluconates

Reference No.: 4602(74KhR)

J. Inorg. Nucl. Chem., 1974, 36, 607 - 610; Khan MMT; Reddy PR; Metal Chelates of Tripolyphosphate with Rare Earths

Reference No.: 4629(81BMO)

J. Inorg. Nucl. Chem., 1981, 43, 1321 - 1330; Bukietynska K; Mondry A; Osmeda E; Application of the Oscillator Strength of "Hypersensitive" Transitions to the Investigation of Complex Equilibria of Lanthanide Ions II Spectroscopy, Stability and Thermodynamics of Lanthanide Complexes with Monocarboxylic and alpha-Hydroxyacids

Reference No.: 4630(81BMO)

J. Inorg. Nucl. Chem., 1981, 43, 1311 - 1319; Bukietynska K; Mondry A; Osmeda E; Application of the Oscillator Strength of "Hypersensitive" Transitions to the Investigation of Complex Equilibria of Lanthanide Ions - I Method of the Evaluation of Stability Constants

Reference No.: 4894(95LiB)

Mar. Chem., 1995, 51, 213 - 221; Liu X; Byrne RH; Comparative Carbonate Complexation of Yttrium and Gadolinium at 25C and 0.7 mol dm⁻³ Ionic Strength

Reference No.: 5146(88GBK)

Inorg. Chem., 1988, 27, 1156 - 1158; Grant PM; Baisden PA; Kinard WF; Torres RA; Enthalpies of Formation of the Monofluorolanthanide Complexes

Reference No.: 5181(83PaV)

Chem. Rev., 1983, 83, 651 - 731; Palmer DA; van Eldik R; The Chemistry of Metal Carbonato and Carbon Dioxide Complexes

Reference No.: 5256(91MiK)

Coord. Chem. Rev., 1991, 109, 1 - 5; Mikheev NB; Kamenskaya AN; Complex Formation of the Lanthanides and Actinides in Lower Oxidation States

Reference No.: 5385(85BeB)

J. Solution Chem., 1985, 14, 407 - 415; Becker P; Bilal BA; Lanthanide-Fluoride Ion Association in Aqueous Sodium Chloride Solutions at 25 degrees Celsius

Reference No.: 5387(89MeJ)

J. Solution Chem., 1989, 18, 735 - 742; Menon MP; James J; Stability Constant for the Lanthanide Fluoride Complexes in Aqueous Solution at 25 degrees Celsius

Reference No.: 5398(82Hog)

IUPAC Chemical Data Series No. 21, 1982 Hogfeldt E; Stability Constants of Metal-ion Complexes, 2nd Suppl., Part A, Inorganic Ligands; Pergamon, Oxford

Reference No.: 5421(69IEC)

J. Chem. Soc. (A), 1969,, 45 - 47; Izatt RM; Eatough DJ; Christensen JJ; Bartholomew CH; Calorimetrically Determined Log K, ΔH , and ΔS Values for the Interaction of Sulphate Ion with H^+ , Na^+ , and K^+ in the presence of Tetra-n-alkyl-ammonium Ions

Reference No.: 5483(75CEI)

Handbook of Metal Ligand Heats, 1975 Christensen JJ; Eatough DJ; Izatt RM; Related Thermodynamic Quantities; Marcel Dekker, Inc

Reference No.: 5604(89MeJ)

J. Chem. Soc., Faraday Trans. 1, 1989, 85, 2683 - 2694; Menon MP; James J; Solubilities, Solubility Products and Solution Chemistry of Lanthanone Trifluoride-Water Systems

Reference No.: 5658(71PoJ)

J. Inorg. Nucl. Chem., 1971, 33, 3586 - 3588; Powell JE; Johnson DK; Stabilities of some 1:1 and 1:2 1,1-Cyclopentanedicarboxylato Rare Earth Chelates

Reference No.: 5690(74Pow)

J. Chem. Soc., Dalton Trans., 1974,, 1108 - 1112; Powell HKJ; Entropy Titrations: A Reassessment of Data for the Reaction of the Sulphate Ion with Trivalent Lanthanoid Ions

Reference No.: 5760(72StC)

J. Inorg. Nucl. Chem., 1972, 34, 205 - 211; Stampfli R; Choppin GR; The Thermodynamics of Lanthanide Hexacyanoferrate(III) Complexation

Reference No.: 5987(97LPP)

Pure Appl. Chem., 1997, 69, 329 - 381; Lajunen LHJ; Portanova R; Piispanen J; Tolazzi M; Stability Constants for α -Hydroxycarboxylic Acid Complexes with Protons and Metal Ions and the Accompanying Enthalpy Changes. Part I: Aromatic ortho-Hydroxycarboxylic Acids

Reference No.: 6136(80KTB)

Magy. Kem. Foly., 1980, 86, 78 - 84; Kiraly R; Toth I; Brucher E; Ritkafoldfem (III) - Etilen-diamin-tetraacetat-fluorid Vegyes Ligandum Komplexek Stabilitasi Allandoinak es Kepzodesi Entalpiainak Meghatározása

Reference No.: 6330(95LiF)

CRC Handbook of Chemistry and Physics, 76th Edn., 1995 Lide DR; Frederikse HPR; A Ready-Reference Book of Chemical and Physical Data; CRC Press, Cleveland, Ohio, U.S.A.

Reference No.: 6359(95WaJ)

S. Afr. J. Chem., 1995, 48, 85 - 90; Wagener JM; Jarvis NV; Complexation of Trivalent Lanthanides by Ethylenediaminetetramethylenephosphonate (EDTMP)

Reference No.: 6422(95BaP)

Thermochemical Data of Pure Substances, 3rd Edn., 1995 Barin I; Platzki G; Weinheim, Germany

Reference No.: 6488(88ShH)

Geochim. Cosmochim. Acta, 1988, 52, 2009 - 2036; Shock EL; Helgeson HC; Calculation of the Thermodynamic and Transport Properties of Aqueous Species at High Pressures and Temperatures: Correlation Algorithms for Ionic Species and Equation of State Predictions to 5 kb and 1000 C

Reference No.: 6516(75PPK)

Inorg. Chem., 1975, 14, 786 - 789; Powell JE; Farrell JL; Kulprathipanja S; Formation Constants of 2,3-Dihydroxy-2-methylpropanoate and 2,3-Dihydroxy-2-methylbutanoate Rare Earth Chelate Species

Reference No.: 6529(85PoL)

Inorg. Chem., 1985, 24, 2967 - 2969; Powell JE; Ling DR; On Altering the Lanthanide Chelate Formation Constant Sequence to Improve Am³⁺ - Ln³⁺ Separations in Cation-Exchange Elutions

Reference No.: 6644(83ChR)

Inorg. Chem., 1983, 22, 3866 - 3869; Chang CA; Rowland ME; Metal Complex Formation with 1,10-Diaza-4,7,13,16-tetraoxacyclo-octadecane-N,N'-diacetic Acid. An Approach to Potential Lanthanide Ion Selection Reagents

Reference No.: 6662(75PLZ)

Russ. J. Inorg. Chem., 1975, 20, 1621 - 1623; Pirkes SB; Lapitskaya AV; Zakharova TV; Stability of Complexes of the Rare-earth Elements with Methylmalonic Acid

Reference No.: 6670(80ADM)

Russ. J. Inorg. Chem., 1980, 25, 1637 - 1639; Ali SA; Dobrynina NA; Martynenko LI; Gontar VG; A Potentiometric pH Titration Study of the Formation of Lanthanide Complexes of Malic Acid in Aqueous Solutions

Reference No.: 6761(71Bat)

Russ. Chem. Rev., 1971, 40, 465 - 484; Batsanova LR; Rare-earth Fluorides

Reference No.: 6794(89HMH)

Bull. Chem. Soc. Jpn., 1989, 62, 1486 - 1491; Hasegawa Y; Morita Y; Hase M; Nagata M; Complexation of Lanthanoid(III) with Substituted Benzoic or Phenylacetic Acids and Extraction of These Acids

Reference No.: 6835(69BeC)

J. Inorg. Nucl. Chem., 1969, 31, 1517 - 1518; Bear JL; Clark M; Complexes of the Lanthanides with o-Aminophenol in some Mixed Solvent Systems

Reference No.: 6990(79LEK)

Finn. Chem. Lett., 1979,, 11 - 14; Lajunen LHJ; Eloranta J; Kukkohovi A; Formation of Lanthanoid(III) Complexes of 1-Hydroxy-4-sulpho-2-naphthoic Acid in Aqueous Solution

Reference No.: 7141(90Woo)

Chem. Geol., 1990, 82, 159 - 186; Wood SA; The Aqueous Geochemistry of the Rare-Earth Elements and Yttrium. 1. Review of Available Low-Temperature Data for Inorganic Complexes and the Inorganic REE Speciation of Natural Waters

Reference No.: 7168(97GaW)

Chem. Speciation Bioavail., 1997, 91, 37 Gangoda CK; Williams DR; Linear Free Energy Relationships and the Chemical Speciation of Amino-carboxylate Ligand Complexes

Reference No.: 7216(91IsT)

Inorg. Chem., 1991, 30, 1854 - 1858; Ishiguro S-i; Takahashi R; Thermodynamics of Chloro Complexation of Lanthanide(III) Ions in N,N-Dimethylformamide

Reference No.: 7221(92TaI)

J. Chem. Soc., Faraday Trans., 1992, 88, 3165 - 3170; Takahashi R; Ishiguro S-i; Thermodynamics and Structure of Thiocyanato Complexes of Yttrium(III) and Lanthanide(III) Ions in N,N-Dimethylformamide

Reference No.: 7233(96IKN)

J. Chem. Soc., Faraday Trans., 1996, 92, 1869 - 1875; Ishiguro S-i; Kato K; Nakasone S; Takahashi R; Ozutsumi K; Steric Solvent Effect on Formation Thermodynamics and Structure of Halogeno Complexes of Lanthanide(III) Ions in N,N-Dimethylacetamide

Reference No.: 7271(98SMM)

NIST Critical Stability Constants of Metal Complexes Database, 1998 Smith RM; Martell AE; Motekaitis RJ; Version 5.0; U.S. Dept. Commerce, Gaithersburg, MD, U.S.A.

Reference No.: 7276(88CoW)

Advanced Inorganic Chemistry, 5th Edn., 1988 Cotton FA; Wilkinson G; John Wiley & Sons Inc., N.Y., U.S.A

Reference No.: 7346(98LiB)

J. Solution Chem., 1998, 27, 803 - 815; Liu X; Byrne RH; Comprehensive Investigation of Yttrium and Rare Earth Element Complexation by Carbonate Ions Using ICP-Mass Spectrometry

Reference No.: 7421(97Mar)

Ion Properties, 1997 Marcus Y; Marcel Dekker Inc., New York, U.S.A.

Reference No.: 7703(03PLT)

Pure Appl. Chem., 2003, 75, 495 - 540; Portanova R; Lajunen LHJ; Tolazzi M; Piispanen J; Stability Constants for alpha-Hydroxycarboxylic Acid Complexes with Protons and Metal Ions and the Accompanying Enthalpy Changes - Part II: Aliphatic 2-Hydroxycarboxylic Acids

Reference No.: 7761(89Bra)

J. Phys. Chem. Ref. Data, 1989, 18, 1 - 21; Bratsch SG; Standard Electrode Potentials and Temperature Coefficients in Water at 298.15 K

Reference No.: 7770(73DeM)

Acta Chem. Scand., 1973, 27, 2877 - 2886; Dellien I; Malmsten L-A; Thermodynamic Properties of Rare Earth Complexes. XIX. Free Energy, Enthalpy, and Entropy Changes for the Formation of Some Lanthanoid Maleate Complexes

Reference No.: 8184(56SPW)

J. Am. Chem. Soc., 1956, 78, 34 - 37; Spedding FH; Powell JE; Wheelwright EJ; The Stability of the Rare Earth Complexes with N-Hydroxyethylethylenediaminetriacetic Acid

Reference No.: 8221(99ScB)

Polyhedron, 1999, 18, 2839 - 2844; Schijf J; Byrne RH; Determination of Stability Constants for the Mono- and Difluoro-complexes of Y and the REE, using a Cation-exchange Resin and ICP-MS

Reference No.: 8402(69IEC)

J. Chem. Soc. (A), 1969, 47 - 53; Izatt RM; Eatough DJ; Christensen JJ; Bartholomew CH; Calorimetrically Determined Log K, ΔH , and ΔS Values for the Interaction of Sulphate Ion with Several Bi- and Ter-valent Metal Ions

Reference No.: 8697(97LBS)

J. Solution Chem., 1997, 26, 1187 - 1198; Liu X; Byrne RH; Schijf J; Comparative Coprecipitation of Phosphate and Arsenate with Yttrium and the Rare Earths: The Influence of Solution Complexation

Reference No.: 8698(97LiB)

Aquat. Geochem., 1997, 3, 99 - 115; Li BQ; Byrne RH; Ionic Strength Dependence of Rare Earth - NTA Stability Constants at 25C

Reference No.: 8699(00KLB)

Polyhedron, 2000, 19, 99 - 107; Klungness GD; Byrne RH; Comparative Hydrolysis Behavior of the Rare Earths and Yttrium: The Influence of Temperature and Ionic Strength

Reference No.: 8712(92LeB)

Geochim. Cosmochim. Acta, 1992, 56, 1127 - 1137; Lee JH; Byrne RH; Examination of Comparative Rare Earth Element Complexation Behavior using Linear Free-Energy Relationships

Reference No.: 8781(92Mil)

Geochim. Cosmochim. Acta, 1992, 56, 3123 - 3132; Millero FJ; Stability Constants for the Formation of Rare Earth Inorganic Complexes as a Function of Ionic Strength

Reference No.: 8917(93LeB)

J. Solution Chem., 1993, 22, 751 - 766; Lee JH; Byrne RH; Rare Earth Element Complexation by Fluoride Ions in Aqueous Solution

Reference No.: 8934(91FiB)

J. Chem. Eng. Data, 1991, 36, 93 - 95; Firsching FH; Brune SN; Solubility Products of the Trivalent Rare-earth Phosphates

Reference No.: 9029(97SSW)

Geochim. Cosmochim. Acta, 1997, 61, 907 - 950; Shock EL; Sassani DC; Willis M; Sverjensky DA; Inorganic Species in Geologic Fluids: Correlations among Standard Molal Thermodynamic Properties of Aqueous Ions and Hydroxide Complexes

Reference No.: 10134(71DeG)

Acta Chem. Scand., 1971, 25, 1387 - 1400; Dellien I; Grenthe I; Thermodynamic Properties of Rare Earth Complexes. IX. Stability Constants for the Lanthanoid Malonate and Hydrogen Malonate Complexes

Reference No.: 10174(95OHS)

J. Phys. Chem. Ref. Data, 1995, 24, 1401 - 1560; Oelkers EH; Helgeson HC; Shock EL; Sverjensky DA; Johnson JW; Pokrovskii VA; Summary of the Apparent Standard Partial Molal Gibbs Free Energies of Formation of Aqueous Species, Minerals, and Gases at Pressures 1 to 5000 Bars and Temperatures 25 to 1000C

Reference No.: 11516(00PeP)

IUPAC Stability Constants Database, 2000 Pettit LD; Powell HKJ; Release 4; Academic Software, U.K.

Reference No.: 13242(05AAD)

Pure Appl. Chem., 2005, 77, 1445 - 1495; Anderegg G; Arnaud-Neu F; Delgado R; Felcman J; Popov K; Critical Evaluation of Stability Constants of Metal Complexes of Complexones for Biomedical and Environmental Applications

Reference No.: 15996(00LuB)

J. Solution Chem., 2000, 29, 1089 - 1099; Luo Y-R; Byrne RH; The Ionic Strength Dependence of Rare Earth and Yttrium Fluoride Complexation at 25C

Reference No.: 21965(69BeC)

Inorg. Chem., 1969, 8, 613 - 617; Bertha SL; Choppin GR; Hydration Thermodynamics of the Lanthanide Ions

Reference No.: 22560(05PeP)

IUPAC Stability Constants Database, 2005 Pettit LD; Powell HKJ; Release 4.71; Academic Software, U.K.

Reference No.: 22958(10AML)

Appl. Geochem., 2010, 25, 242 - 260; Accornero M; Marini L; Lelli M; Prediction of the Thermodynamic Properties of Metal-chromate Aqueous Complexes to High Temperatures and Pressures and Implications for the Speciation of Hexavalent Chromium in Some Natural Waters

Reference No.: 23149(63GrT)

Acta Chem. Scand., 1963, 17, 2101 - 2112; Grenthe I; Tobiasson I; Thermodynamic Properties of Rare Earth Complexes. I. Stability Constants for the Rare Earth Diglycolate Complexes

Reference No.: 30332(17ZhJ)

Calphad, 2017, 58, 169 - 203; Zhang Y; Jung I-H; Critical Evaluation of Thermodynamic Properties of Rare Earth Sesquioxides (RE = La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Sc and Y)

Reference No.: 30513(14GrN)

J. Solution Chem., 2014, 43, 298 - 313; Grimes TS; Nash KL; Acid Dissociation Constants and Rare Earth Stability Constants for DTPA

Reference No.: 31112(14Mis)

Russ. J. Inorg. Chem., 2014, 59, 824 - 830; Mishustin AI; Temperature Dependence of Complex Formation Constants in Aqueous Solutions of Metal Acetates

Reference No.: 31163(72KhR)

J. Inorg. Nucl. Chem., 1972, 34, 967 - 972; Khan MMT; Reddy PR; Mixed Ligand Rare Earth Chelates of EDTA with TPP and ATP

Reference No.: 31291(84PSG)

U.S. Bur. Mines Bull. 677, 1984 Pankratz LB; Stuve JM; Gokcen NA; Thermodynamic Data for Mineral Technology; US Det. Interior, Bur. Mines, Washington, DC, USA

Reference No.: 31293(19DLE)

J. Chem. Thermodyn., 2019, 131, 49 - 79; Das G; Lencka MM; Eslamimanesh A; Wang P; Anderko A; Riman RE; Navrotsky A; Rare Earth Sulfates in Aqueous Systems: Thermodynamic Modeling of Binary and Multicomponent Systems over Wide Concentration and Temperature Ranges

Reference No.: 31585(19RVE)

J. Hazard. Mater., 2019, 380, 120725-1 - 120725-17; Ram R; Vaughan J; Etschmann B; Brugger J; The Aqueous Chemistry of Polonium (Po) in Environmental and Anthropogenic Processes

Reference No.: 31631(18ZNT)

J. Inorg. Biochem., 2018, 182, 37 - 47; Zabiszak M; Nowak M; Taras-Goslinska K; Kaczmarek MT; Hnatejko Z; Jastrzap R; Carboxyl Groups of Citric Acid in the Process of Complex Formation with Bivalent and Trivalent Metal Ions in Biological Systems

Reference No.: 32222(06DGC)

Technical Report TR-O6-17, 2006 Duro L; Grive M; Cera E; Domenech C; Bruno J; Update of a Thermodynamic Database for Radionuclides to Assist Solubility Limits Calculation for Performance Assessment; Swedish Nucl. Fuel & Waste Management Co, Stockholm, Sweden