

	X ₁	X ₂	k _{rel}	CdS yield	Diameter (nm)	Particle #	λ _{max}	time (min)	FWHM (eV)	Precursor Yield
1a	O-4-MeO-Ph	O-4-MeO-Ph	2.2 x 10 ⁻³	67%	3.13	1.53 x 10 ¹⁷	392	30	137	48%
1b	O-4-Me-Ph	O-4-MeO-Ph	2.1 x 10 ⁻³	75% (83%) ^a	3.26	1.57 x 10 ¹⁷	396	45	139	67%
1c	O-4-Me-Ph	O-4-Me-Ph	8.6 x 10 ⁻⁴	89% (70%) ^a	3.32	1.44 x 10 ¹⁷	398	60	132	76%
1d	O-4-Me-Ph	O-Ph	8.0 x 10 ⁻⁴	70%	3.86	9.78 x 10 ¹⁶	414	120	127	66%
1e	O-Ph	O-Ph	4.5 x 10 ⁻⁴	62%	4.04	7.17 x 10 ¹⁶	419	120	123	67%
1f	O-4-Me-Ph	O-4-Cl-Ph	2.9 x 10 ⁻⁴	73%	4.93	4.63 x 10 ¹⁶	442	240	112	68%
1g	O-4-Me-Ph	O-4-CF ₃ -Ph	2.3 x 10 ⁻⁴	57% (58%) ^a	5.02	3.22 x 10 ¹⁶	444	300	95	61%
1h	O-4-Me-Ph	O-Cy	2.1 x 10 ⁻⁴	66%	5.45	2.77 x 10 ¹⁶	454	305	114	62%
1i	O-Ph	O-4-Cl-Ph	8.2 x 10 ⁻⁵	56%	5.58	2.17 x 10 ¹⁶	457	720	108	60%
1j	O-4-Me-Ph	O-2,6-diMe-Ph	4.8 x 10 ⁻⁵	53%	5.85	1.51 x 10 ¹⁶	463	720	96	44%
2	O-4-Me-Ph	N-H(4-Me-Ph)	1.5 x 10 ⁻²	103%	2.73	3.98 x 10 ¹⁷	378	3	161	71%
3	O-4-Me-Ph	N-(CH ₃)Ph	8.1 x 10 ⁻⁵	62%	5.67	2.37 x 10 ¹⁶	459	1271	100	74%
4*	N-H(4-Me-Ph)	N-H(4-Me-Ph)	2.9 x 10 ⁻¹	---	---	---	---	---	---	---
5a	N-HPh	N-(n-Bu) ₂	5.3 x 10 ⁻²	93%	2.18	6.41 x 10 ¹⁷	355	1.5	175	---
5b	N-HPh	N-(CH ₃)Ph	1.4 x 10 ⁻²	110%	2.65	4.02 x 10 ¹⁷	375	4	169	92%
6a	N-(CH ₃) ₂	N-(CH ₃) ₂	4.2 x 10 ⁻⁴	98% (99%) ^a	4.98	5.54 x 10 ¹⁶	443	180	138	---
6b	N-(pyrr)	N-(pyrr)	2.9 x 10 ⁻⁴	103%	5.63	3.98 x 10 ¹⁶	458	245	106	49%