Enzyme	IC$_{50}$ (μM)				
	9a R = Me	**9b** R = Et	**9c** R = Pr	**9d** R = Bu	**9e** R = Ph
β-*N*-Acetylglucosaminidase					
Bovine kidney	216	609	641	748	NI (42.6%)
HL60	92	336	58	621	NI (44.5%)
Human placenta	261	516	484	413	NI (41.1%)
Jack bean	79	199	104	372	NI (39.6%)
α-*N*-Acetylgalactosaminidase					
Chicken liver	[a]NI [b](0%)	NI (7.9%)	NI (7.6%)	NI (7.6%)	NI (32.0%)
β-glucuronidase					
Bovine liver	NI (2.1%)	NI (15.4%)	NI (2.6%)	NI (3.9%)	NI (6.8%)
E.coli	NI (6.2%)	NI (9.6%)	NI (8.6%)	NI (37.2%)	NI (4.2%)

Enzyme	IC$_{50}$ (μM)			
	12a R = Et	**12b** R = Pr	**12c** R = Bu	**12d** R = Ph
β-*N*-Acetylglucosaminidase				
Bovine kidney	[a]NI [b](7.3%)	NI (5.3%)	NI (1.2%)	NI (0.8%)
HL60	NI (6.4%)	NI (4.9%)	NI (2.9%)	NI (8.4%)
Human placenta	NI (11.1%)	NI (6.7%)	NI (5.3%)	NI (0%)
Jack bean	NI (8.6%)	NI (11.7%)	NI (11.3%)	NI (12.6%)
α-*N*-Acetylgalactosaminidase				
Chicken liver	NI (0%)	NI (0%)	NI (1.8%)	NI (0%)
β-glucuronidase				
Bovine liver	NI (1.7%)	NI (2.3%)	NI (8.2%)	NI (30.1%)
E.coli	NI(15.4%)	NI(13.0%)	NI(8.8%)	90,7

[a] NI : No inhibition (less than 50% inhibition at 1000 μM).

[b] ( ) : inhibition % at 1000 μM