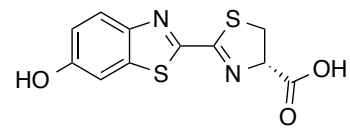
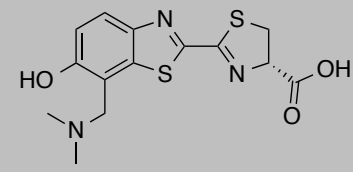
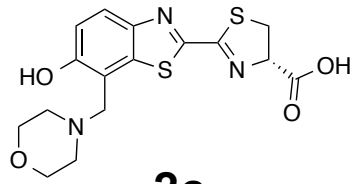
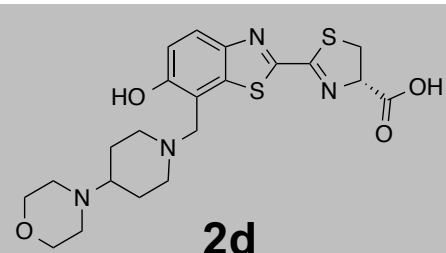
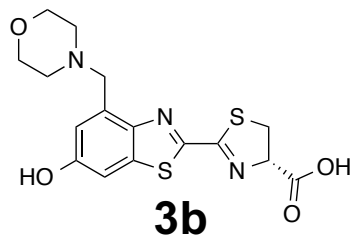
Enzyme	% WT light emission[a]	Normalized k_{cat}/K_M[b]	λ_{max} (nm)	Compound
A	1.2 ± 0.35	0.041 ± 0.016	612	
B	0.92 ± 0.17	0.013 ± 0.004	616	
C	94 ± 8.4	5.22 ± 0.58	570	**D-luc**
A	0.19 ± 0.02	0.034 ± 0.008	614	
B	0.33 ± 0.09	0.050 ± 0.020	614	
C	**17 ± 5.2**	**5.0 ± 1.3**	**574**	**2b**
A	0.16 ± 0.02	0.253 ± 0.065	614	
B	3.7 ± 0.76	1.09 ± 0.36	618	
C	**16 ± 2.3**	**8.2 ± 2.2**	**600**	**2c**
A	0.47 ± 0.01	0.121 ± 0.025	–[c]	
B	0.81 ± 0.09	0.155 ± 0.061	604	
C	**22 ± 2.3**	**6.0 ± 1.7**	**570**	**2d**
A	38 ± 13	17.1 ± 6.4	622	
B	**200 ± 41**	**83 ± 37**	**628**	
C	13 ± 2	13.1 ± 5.7	626	**3b**

[a] Analog values normalized to their corresponding emission with Fluc. Errors represent standard error of the mean for n = 3 measurements. [b] Kinetic constants are apparent values, determined via measurements of initial rates of light emission over a range of 2 μM to 10 mM. Errors represent standard error of the mean for n ≥ 3 measurements. k_{cat} values are relative to their corresponding value with Fluc. Errors represent standard error of the mean for n ≥ 3 measurements. [c] λ_{max} value could not be determined due to low level of light emission.