

	$X_1$	$X_2$	$k_{rel}$	CdS yield	Diameter (nm)	Particle #	$\lambda_{max}$	time (min)	FWHM (eV)	Precursor Yield
<b>1a</b>	O-4-MeO-Ph	O-4-MeO-Ph	$2.2 \times 10^{-3}$	67%	3.13	$1.53 \times 10^{17}$	392	30	137	48%
<b>1b</b>	O-4-Me-Ph	O-4-MeO-Ph	$2.1 \times 10^{-3}$	75% (83%) <sup>a</sup>	3.26	$1.57 \times 10^{17}$	396	45	139	67%
<b>1c</b>	O-4-Me-Ph	O-4-Me-Ph	$8.6 \times 10^{-4}$	89% (70%) <sup>a</sup>	3.32	$1.44 \times 10^{17}$	398	60	132	76%
<b>1d</b>	O-4-Me-Ph	O-Ph	$8.0 \times 10^{-4}$	70%	3.86	$9.78 \times 10^{16}$	414	120	127	66%
<b>1e</b>	O-Ph	O-Ph	$4.5 \times 10^{-4}$	62%	4.04	$7.17 \times 10^{16}$	419	120	123	67%
<b>1f</b>	O-4-Me-Ph	O-4-Cl-Ph	$2.9 \times 10^{-4}$	73%	4.93	$4.63 \times 10^{16}$	442	240	112	68%
<b>1g</b>	O-4-Me-Ph	O-4-CF <sub>3</sub> -Ph	$2.3 \times 10^{-4}$	57% (58%) <sup>a</sup>	5.02	$3.22 \times 10^{16}$	444	300	95	61%
<b>1h</b>	O-4-Me-Ph	O-Cy	$2.1 \times 10^{-4}$	66%	5.45	$2.77 \times 10^{16}$	454	305	114	62%
<b>1i</b>	O-Ph	O-4-Cl-Ph	$8.2 \times 10^{-5}$	56%	5.58	$2.17 \times 10^{16}$	457	720	108	60%
<b>1j</b>	O-4-Me-Ph	O-2,6-diMe-Ph	$4.8 \times 10^{-5}$	53%	5.85	$1.51 \times 10^{16}$	463	720	96	44%
<b>2</b>	O-4-Me-Ph	N-H(4-Me-Ph)	$1.5 \times 10^{-2}$	103%	2.73	$3.98 \times 10^{17}$	378	3	161	71%
<b>3</b>	O-4-Me-Ph	N-(CH <sub>3</sub> )Ph	$8.1 \times 10^{-5}$	62%	5.67	$2.37 \times 10^{16}$	459	1271	100	74%
<b>4*</b>	N-H(4-Me-Ph)	N-H(4-Me-Ph)	$2.9 \times 10^{-1}$	---	---	---	---	---	---	---
<b>5a</b>	N-HPh	N-(n-Bu) <sub>2</sub>	$5.3 \times 10^{-2}$	93%	2.18	$6.41 \times 10^{17}$	355	1.5	175	---
<b>5b</b>	N-HPh	N-(CH <sub>3</sub> )Ph	$1.4 \times 10^{-2}$	110%	2.65	$4.02 \times 10^{17}$	375	4	169	92%
<b>6a</b>	N-(CH <sub>3</sub> ) <sub>2</sub>	N-(CH <sub>3</sub> ) <sub>2</sub>	$4.2 \times 10^{-4}$	98% (99%) <sup>a</sup>	4.98	$5.54 \times 10^{16}$	443	180	138	---
<b>6b</b>	N-(pyrr)	N-(pyrr)	$2.9 \times 10^{-4}$	103%	5.63	$3.98 \times 10^{16}$	458	245	106	49%