

Supporting Information

Surface Derivatized Nanoceria with Human Carbonic Anhydrase II Inhibitors and Fluorophores: A Potential Drug Delivery Device

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Table S1. Summary of peak positions (eV) for all de-convoluted XPS spectra of the functionalized nanoceria particles given in Figure 3

reaction step	O 1s								
	Ce ⁴⁺	Ce ³⁺	1	2	3	4			
epichlorohydrin attachment [Figure 3(a)]	530.50	532.30	534.10	533.30	--	--			
opening of epoxide ring [Figure 3(b)]	530.45	532.17	534.00	533.00	--	--			
carboxybenzenesulfonamide attachment [Figure 3(c)]	530.25	532.33	533.95	532.90	531.13	531.70			
	C 1s								
	1	2	3	4	5	6	7	8	9
Carboxyfluorescein attachment [Figure 3(d)]	286.10	286.50	284.60	288.30	283.80	286.85	289.20	285.25	285.60

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