

SUPPLEMENTARY INFORMATION

Figure S1: DSC Thermograms of (A) BITC, β -CD BITC and β -CD (B) BITC, HP- β -CD BITC and HP- β -CD

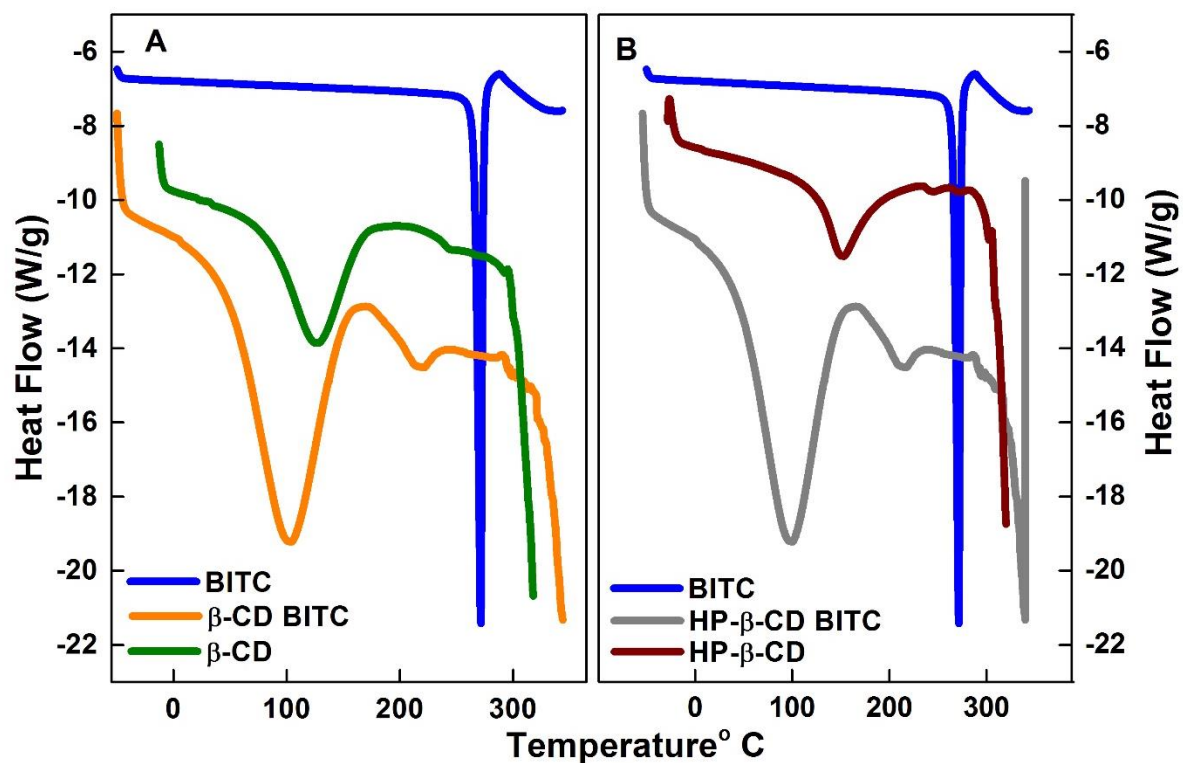


Figure S2. Electron density profiles for β -CD BITC and HP- β -CD BITC

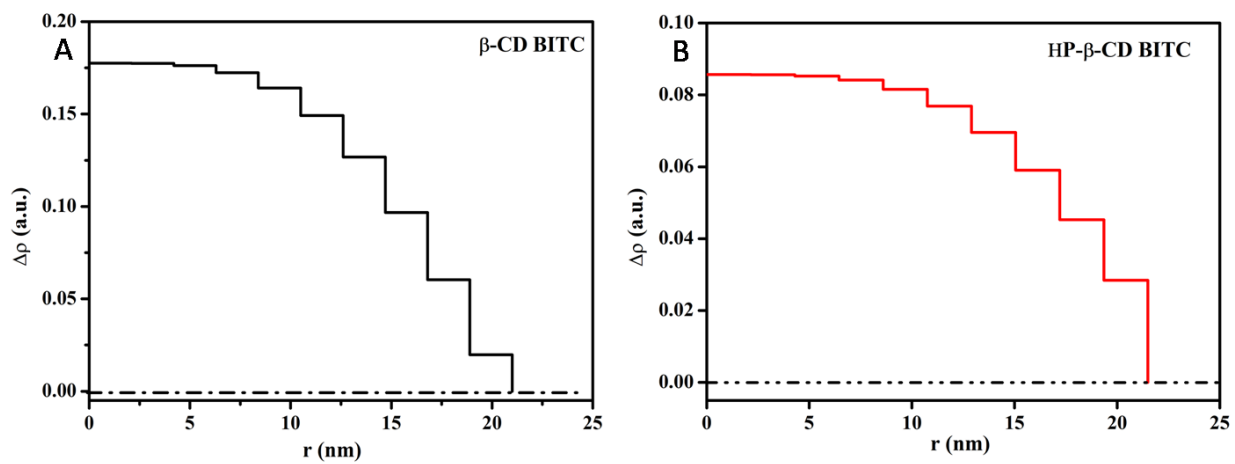


Figure S3. Cumulative Release profile of BITC

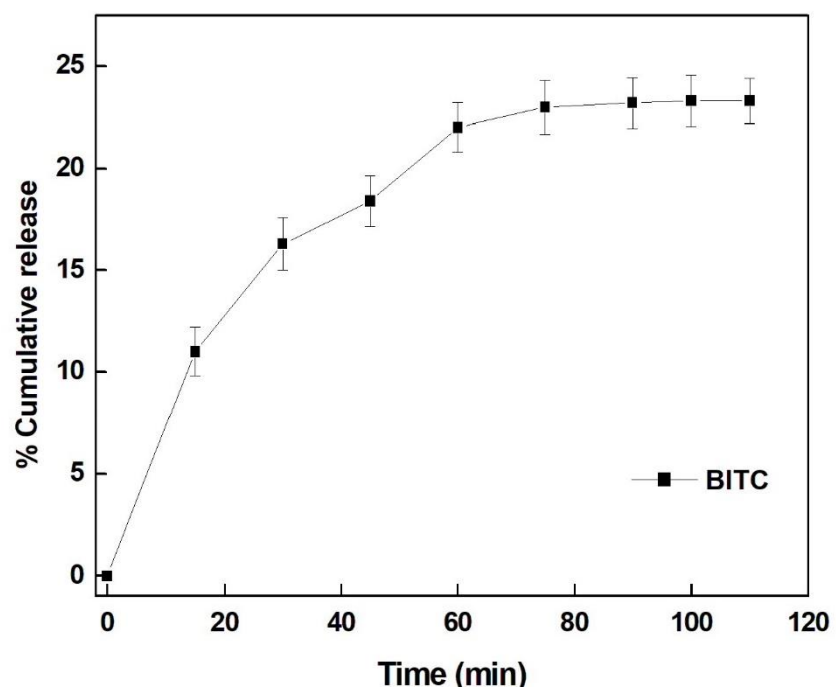


Table S1 Kinetic Models for the release of BITC from β -CD and HP- β -CD at pH 7.2 and 5.5

Kinetic Model		β-CD BITC (pH 5.5)	β-CD BITC (pH 7.2)	HP-β-CD BITC (pH 5.5)	HP-β-CD BITC (pH 7.2)
Zero order	k_0	0.235	0.202	0.275	0.249
	R^2	0.681	0.756	0.654	0.556
First order	k_1	0.004	0.003	0.006	0.005
	R^2	0.895	0.903	0.925	0.853
Higuchi	k_H	3.795	3.234	4.449	4.072
	R^2	0.942	0.936	0.974	0.935
Korsmeyer-Peppas	k_P	4.265	4.591	5.996	6.294
	N	0.478	0.441	0.444	0.419
	R^2	0.992	0.993	0.994	0.989
Hixson-Crowell	k_{HC}	0.001	0.001	0.002	0.001
	R^2	0.843	0.873	0.870	0.780