Cyclodextrin carriers of positively charged porphyrin sensitizers

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ESI-mass spectra

Figure S1.

ESI-MS of TMPyP/Cl shows fragments corresponding to $M/z = 169.5 (TMPyP)^{4+}$, 221.0 $(TMPyP - CH_3)^{3+}$, 324.3 $(TMPyP - 2CH_3)^{2+}$.



Figure S2. ESI-MS of β CD. Fragment M/z = 1157.5 corresponds to (β CD + Na)⁺.



Figure S3. ESI-MS of triMe β CD. Fragment M/z = 1451.8 corresponds to (triMe β CD + Na)⁺.



Figure S4.

ESI-MS of supramolecular complex TMPyP- β CD. Fragments correspond to M/z = 169.5 (TMPyP)⁴⁺, 324.2 (TMPyP – 2CH₃)²⁺ and 453.4 (TMPyP + β CD)⁴⁺.



Figure S5.

ESI-MS of supramolecular complex TMPyP-triMe β CD. Fragments correspond to M/z = 169.5 (TMPyP)⁴⁺, 221.0 (TMPyP – CH₃)³⁺, 324.2 (TMPyP – 2CH₃)²⁺ and 527.0 (TMPyP + triMe β CD)⁴⁺.



Figure S6.

ESI-MS of supramolecular complex Tos- β CD. Fragments correspond to M/z = 170.9 (Tos), 1157.8 (β CD + Na)⁺.



Figure S7.

ESI-MS of supramolecular complex Tos- β CD. Fragment corresponds to M/z = 1305.6 (Tos + β CD)⁻.

¹H NMR spectra

Table	S 1	
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¹H NMR chemical shifts $\delta_{\rm H}$ (ppm) of triMe β CD, TMPyP/Tos and corresponding supramolecular complex in D₂O solution.

т	triMeβCD _		
н		1 MPyP/ 1 08	
		-	triMeβCD
1	5.28	-	5.22
2	3.35	-	3.29
3	3.68	-	3.62
4	3.74	-	3.68
5	3.86	-	3.81
6	3.85	-	3.79
6′	3.66	-	3.62
Me-2	3.52	-	3.48
Me-3	3.62	-	3.54
Me-6	3.39	-	3.38
H-a	-	9.10	9.11
H-b	-	8.92	8.94
H-c	-	9.31	9.31
H-d	-	4.82	4.81
H-e	-	7.19	7.23
H-f	-	6.56	6.62
H-g	-	1.61	1.68