



Supporting Information

for

Synthesis of a new water-soluble hexacarboxylated tribenzotriquinacene derivative and its competitive host–guest interaction for drug delivery

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Copies of NMR and mass spectra and fluorescence spectra of TBTQ–CB6 with MV and DOX, respectively, at different ratios

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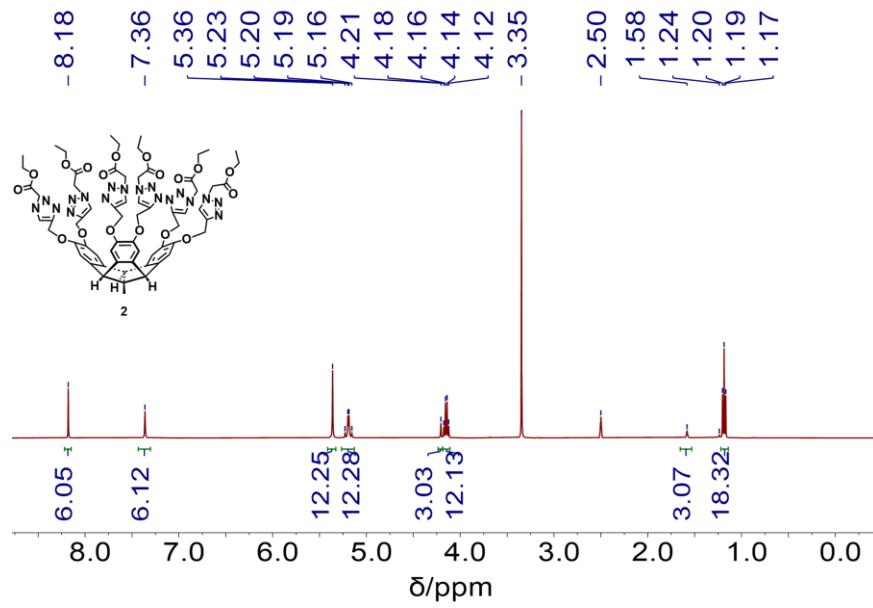


Figure S1: ^1H NMR spectrum of compound **2** (400 MHz, $\text{DMSO-}d_6$, 25 °C).

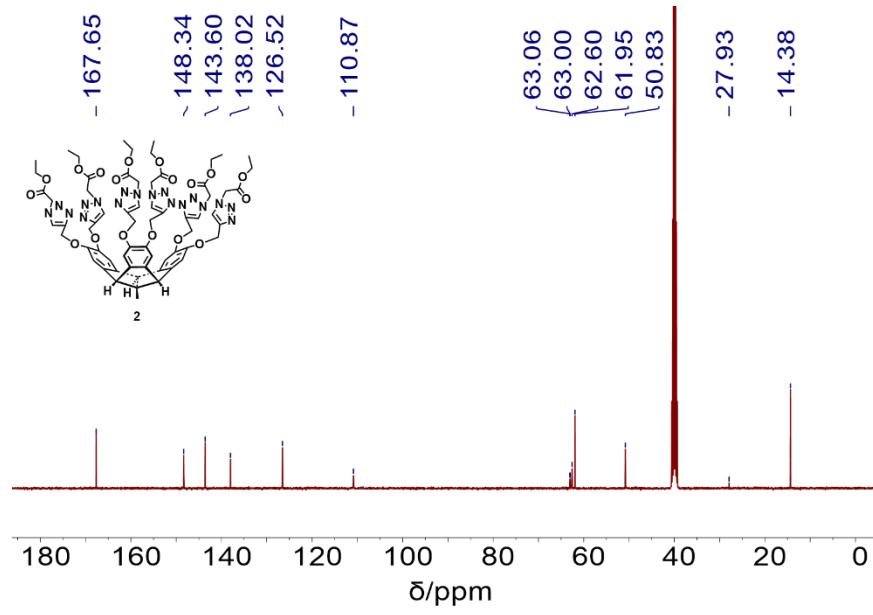


Figure S2: ^{13}C NMR spectrum of compound **2** (100 MHz, $\text{DMSO-}d_6$, 25 °C).

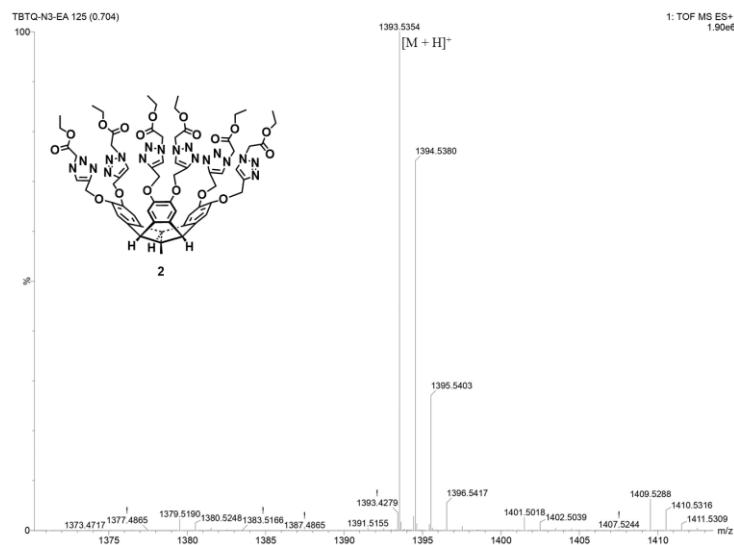


Figure S3: (+)-ESI mass spectrum of compound 2.

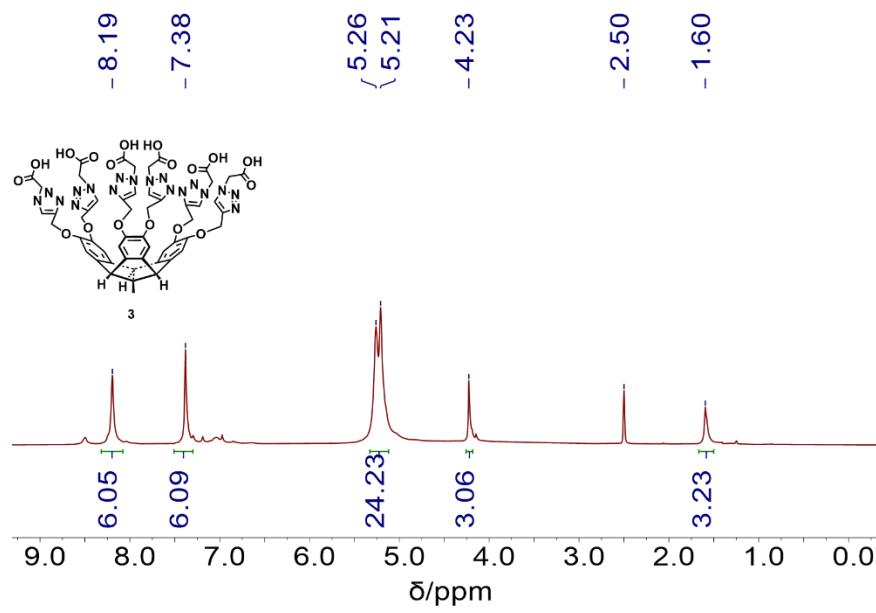


Figure S4: ^1H NMR spectrum of compound **3** (400 MHz, $\text{DMSO}-d_6$, 25 °C).

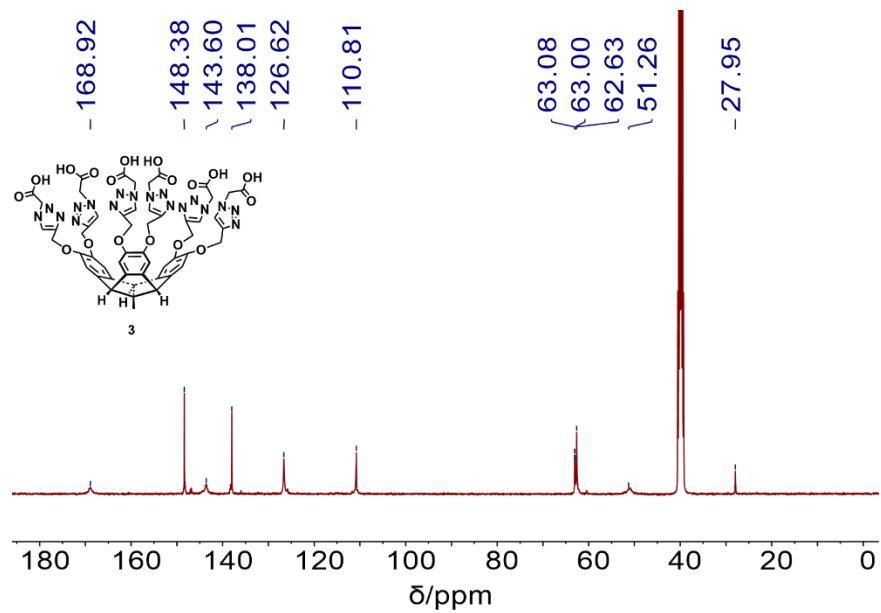


Figure S5: ^{13}C NMR spectrum of compound **3** (100 MHz, $\text{DMSO-}d_6$, 25 °C).

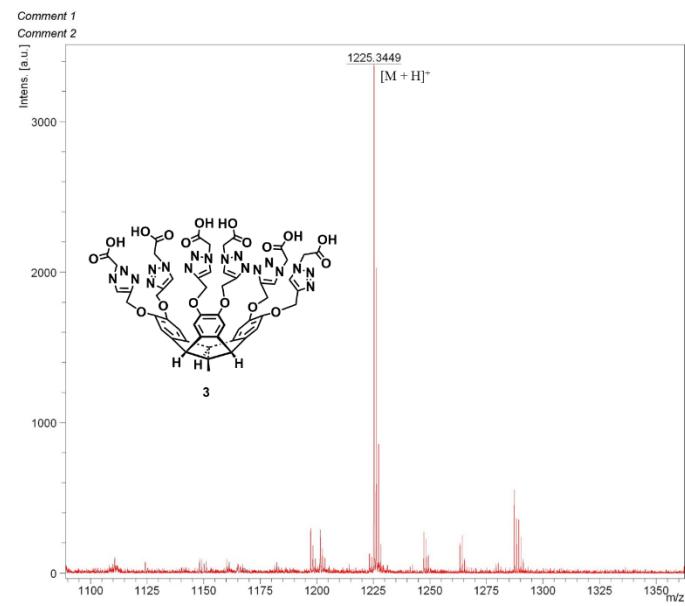


Figure S6: MALDI-TOF mass spectrum of compound **3**.

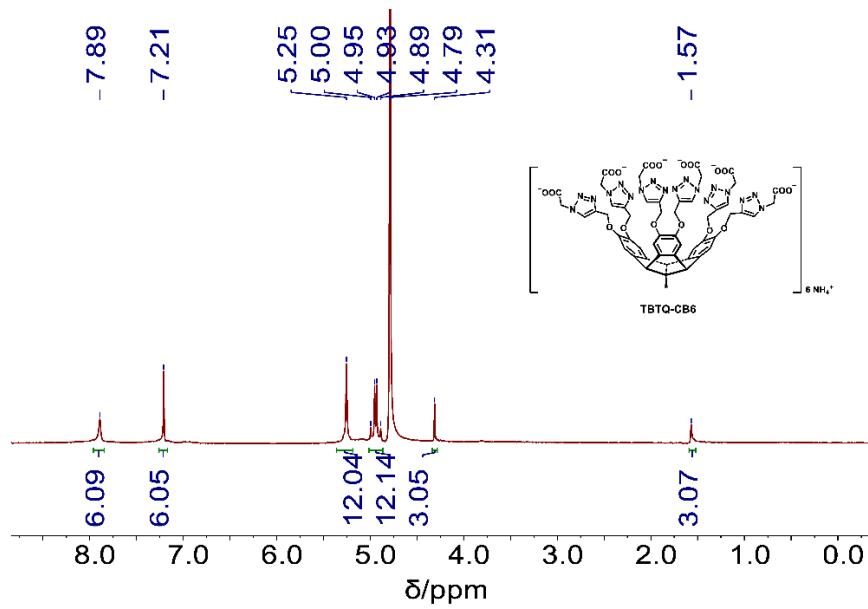


Figure S7: ^1H NMR spectrum of compound **TBTQ-CB6** (400 MHz, D_2O , 25 °C).

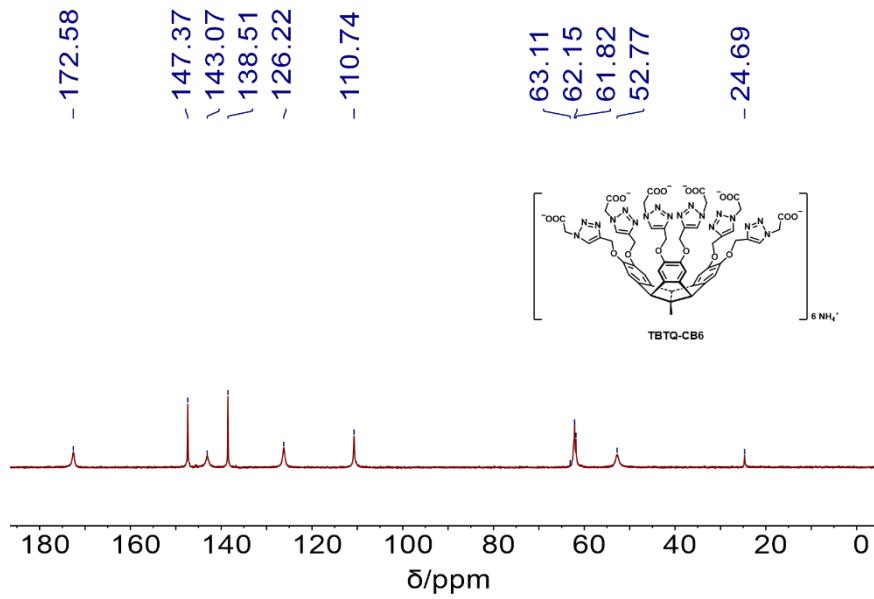


Figure S8: ^{13}C NMR spectrum of compound **TBTQ-CB6** (100 MHz, D_2O , 25 °C).

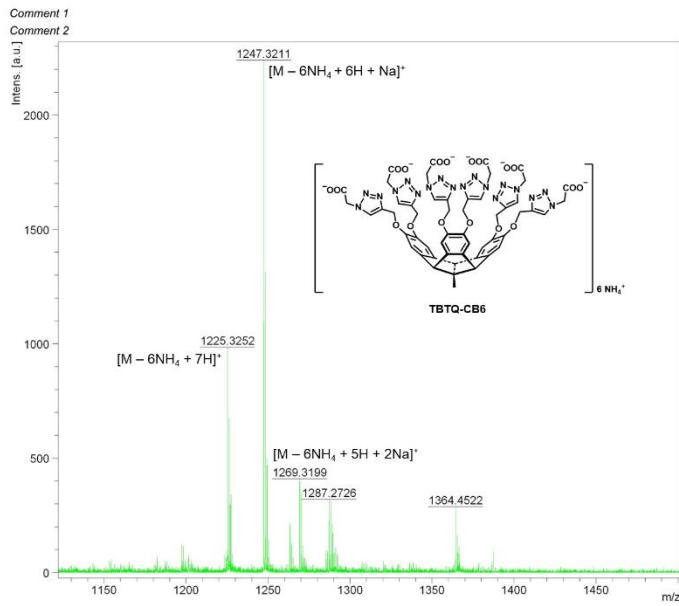


Figure S9: MALDI-TOF mass spectrum of compound **TBTQ-CB6**.

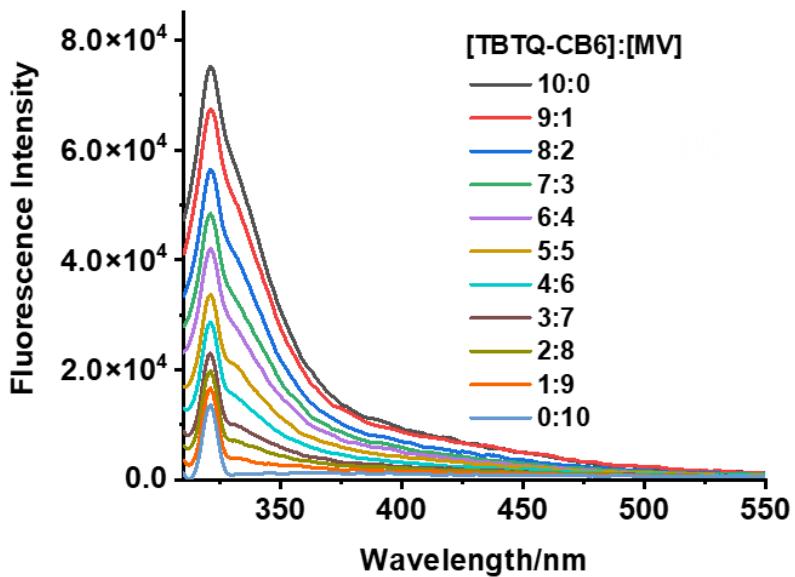


Figure S10: Fluorescence spectra of the mixture of **TBTQ-CB6** and **MV** in different molar ratios at a constant total concentration of 10 μ M.

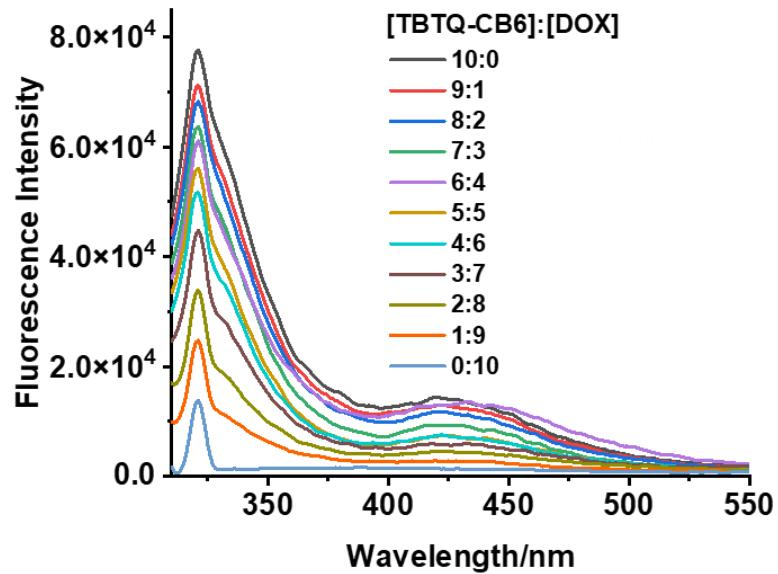


Figure S11: Fluorescence spectra of the mixture of **TBTQ-CB6** and **DOX** in different molar ratios at a constant total concentration of 10 μM .