

Support Information

Reversible photo-responsive vesicle based on the complexation between azobenzene contained molecule and α -cyclodextrin

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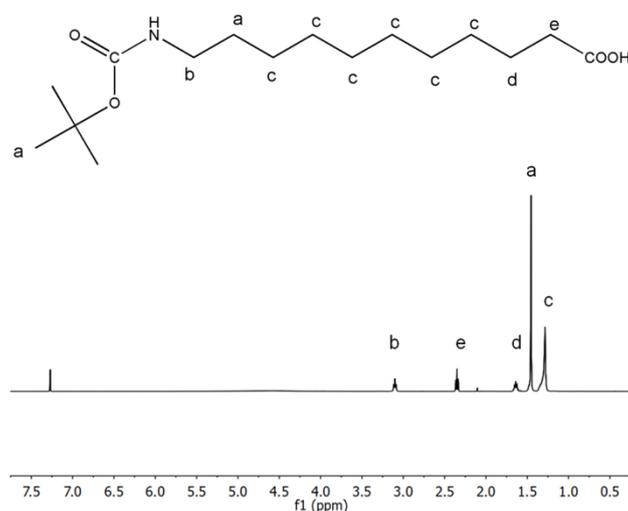


Fig. S1. ¹HNMR spectrum (500 MHz, CD₃Cl, 298.2 K) of N-BOC-11-aminoundecanoic acid.

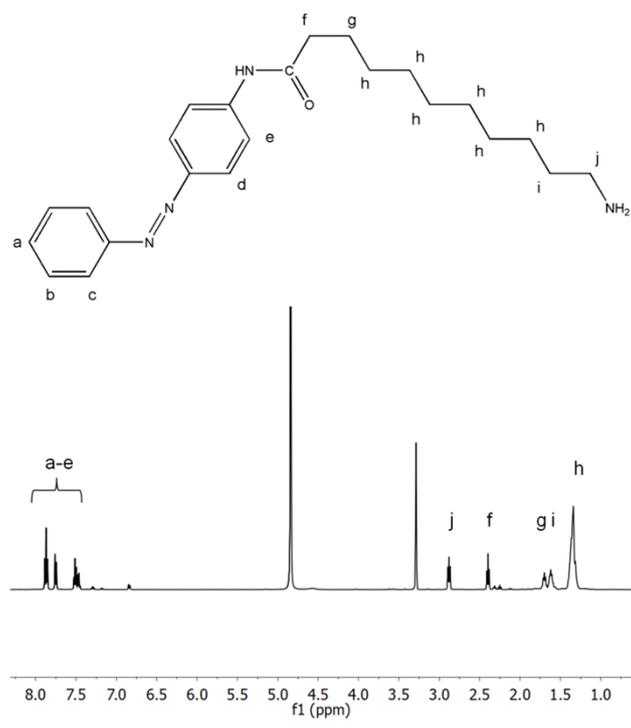


Fig. S2. ¹H NMR spectrum (500 MHz, CD₃OD, 298.2 K) of Azo 11 amide.

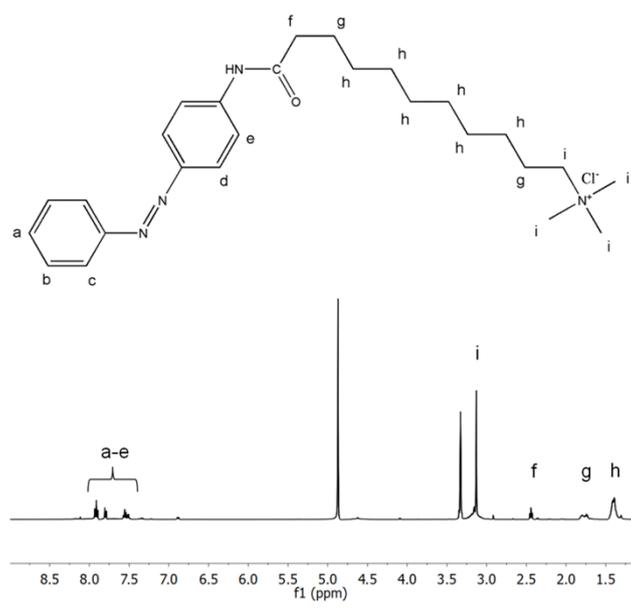


Fig. S3. ¹H NMR spectrum (500 MHz, CD₃OD, 298.2 K) of Azo-Cl.

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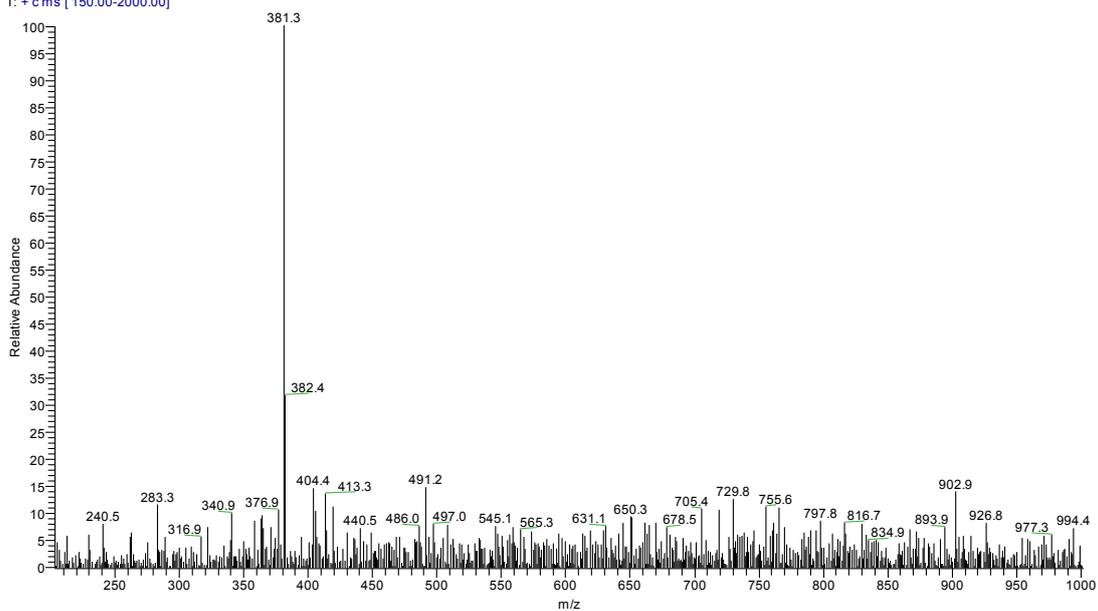


Fig. S4. ESI-MS spectrum of Azo 11 amide. Main peak: m/z 381.3, 382.4.

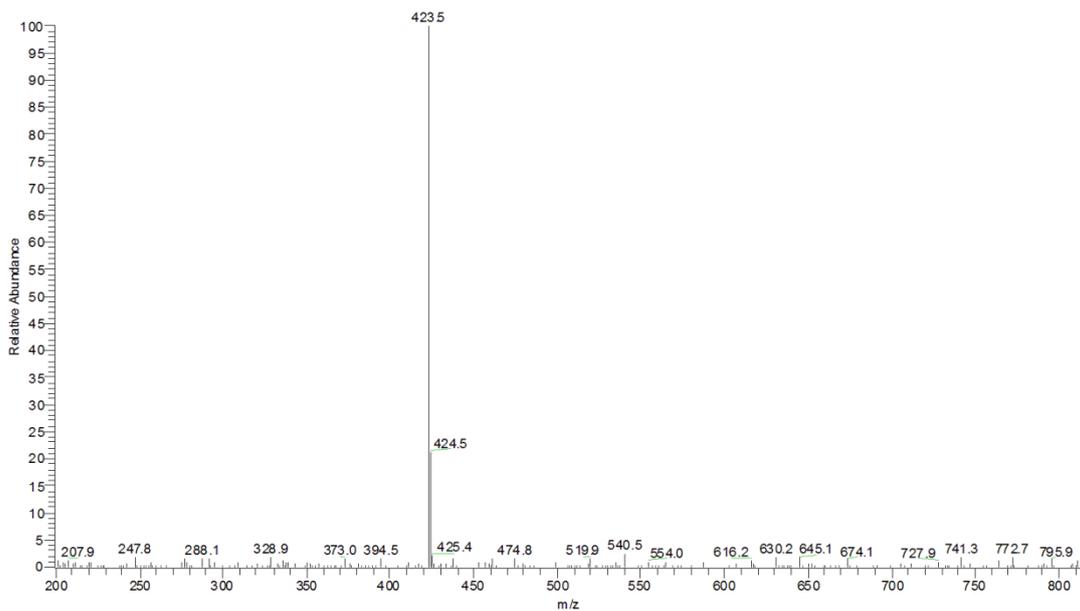


Fig. S5. ESI-MS spectrum of Azo-Cl. Main peak: m/z 423.5, 424.5.

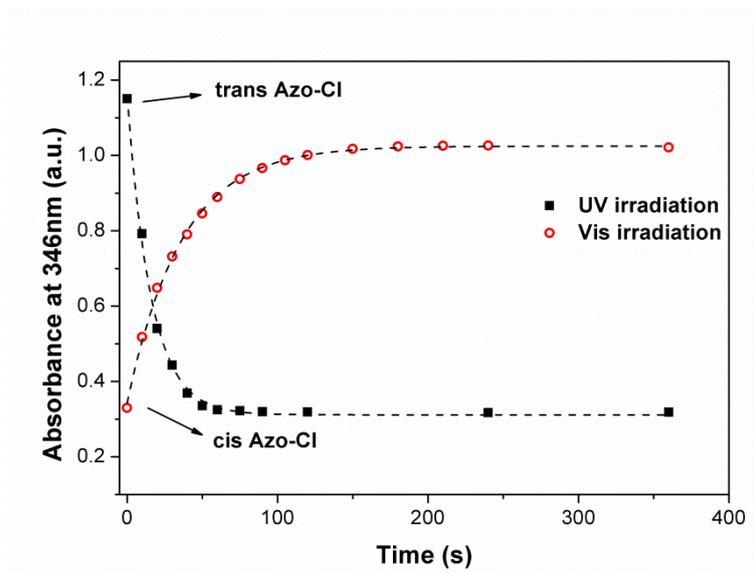


Fig. S6. Absorbance variation at 346 nm of trans Azo-Cl (1.2×10^{-4} M) in the presence of equimolar α -CD with UV irradiation time and afterwards with Vis irradiation time (the dash lines were the fitting curves).