

Optical and photophysical properties of self-assembled porphyrins and porphyrazines. First evidence of formation of mixed pentamers

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Abstract

The formation of electrostatically linked mixed pentamers of porphyrins and porphyrazines is reported. The photophysical properties of two mixed complexes of well-defined stoichiometry are investigated, using femtosecond laser spectroscopy coupled with pump-and-probe technique and steady-state irradiation.