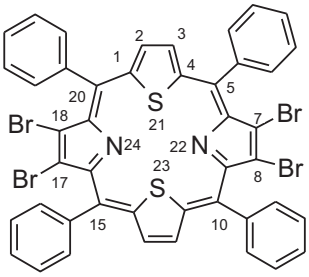
Spectral data of porphyrin derivative $C_{44}H_{24}Br_4N_2S_2$

Spectral Studies

2.1. Spectral Data of Porphyrins: Tetraphenyl and Analogous Porphyrins

Structure formula



NMR		IR	UV-visible			
Solvent	Peaks δ [ppm]/^nJ [Hz]	Peaks Wave number $\tilde{\nu}$ [cm^{-1}]	Solvent	Peaks λ [nm]/(ε [M^{-1} cm^{-1}]/log ε)	Remarks	Ref.
$CDCl_3$	**^{1}H NMR** 7.80 (m, 12H, Ar), 8.06 (m, 8H, Ar), 9.39 (s, 4H, β-thiophene) **^{13}C NMR** 14.21, 29.45, 32.01, 113.03, 127.92, 133.62, 140.09, 149.30	3276, 2934, 2861, 741	toluene	440 (19.2×10^{-4}), 521 (1.9×10^{-4}), 633 (0.15×10^{-4}), 698 (0.22×10^{-4})		[04Aga]

Symbols and abbreviations

Short Form	Full Form
NMR	nuclear magnetic resonance
IR	infrared
UV-Visible	ultraviolet–visible
δ	chemical shift
γ	absorption band
λ	wavelength
ε	molar absorptivity

References

[04Aga] Agarwal, N., Ravikanth, M.: Tetrahedron **60**, 4739–4747 (2004)

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