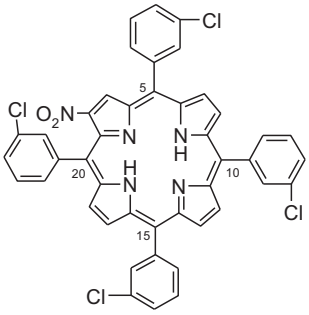
Spectral data of porphyrin derivative $C_{44}H_{25}Cl_4N_5O_2$

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** −2.72 (s, 2H, 2 × NH), 7.58-7.91 (m, 8H, C_6H_4Cl), 8.04-8.32 (m, 8H, C_6H_4Cl), 8.75 (s, 2H, pyrrole-H), 8.89-9.02 (m, 3H, pyrrole-H), 9.06 (d, 1H, J = 4.9, pyrrole-H), 9.08 (s, 1H, pyrrole-H)		$CHCl_3$	376 (4.44), 426.5 (5.26, Soret), 526.5 (4.10), 599.5 (3.62), 661.5 (3.75)		[07Wyr]

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

Reference

[07Wyr] Wyrebek, P., Ostrowki, S.: J. Porphyrins Phthalocyanines **11**, 822–828 (2007)

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