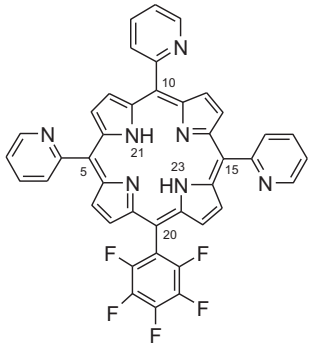
Spectral data of porphyrin derivative $C_{41}H_{22}F_5N_7$

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.
C_6D_6	**^{1}H NMR** −2.54 (s, 2H), 7.02 (m, 3H), 7.32 (m, 3H), 7.75 (m, 3H), 8.62 (d, $^3J_{(H,H)} = 4.81$, 2H), 8.87 (m, 1H), 8.90 (m, 2H), 8.92 (s, 4H), 8.99 (d, $^3J_{(H,H)} = 4.81$, 2H)		CH_2Cl_2	410 (100.2×10^{-3}), 510 (12.7×10^{-3}), 586 (4.5×10^{-3})		[08Sal]

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

[08Sal] Saltsman, I., Botoshansky, M., Gross, Z.: Tetrahedron Lett. **49**, 4163–4166 (2008)

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