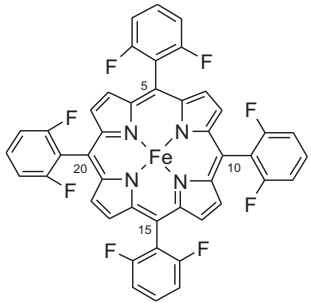
Spectral data of iron complex of porphyrin derivative $C_{44}H_{20}F_8FeN_4$

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.
THF-d_8	**^{1}H NMR** 56 (s, pyrrole-H, 8H), 8.38 (s, p-phenyl-H, 4H), 7.15 (s, m-phenyl-H, 8H)		THF CH_3-CH_2CN toluene CH_2Cl_2	421, 542 414, 424, 528 422, 528, 558 (sh) 422, 528, 558 (sh)	opaque crystalline solid	[01Ghi]

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

[01Ghi] Ghiladi, R.A., Kretzer, R.M., Guzei, I., Rheingold, A.L., Neuhold, Y.-M., Hatwell, K.R., Zuberbühler, A.D., Karlin, K.D.: Inorg. Chem. **40**, 5754–5767 (2001)

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