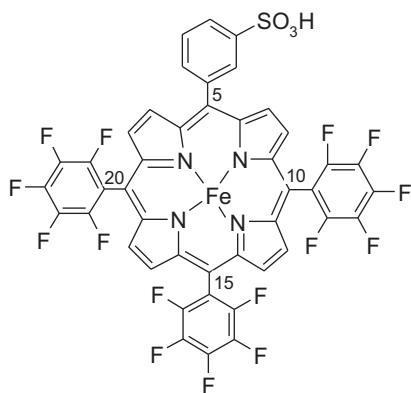


Spectral data of iron complex of porphyrin derivative C₄₄H₁₂F₁₅FeN₄O₃S

Spectral Studies

2.1. Spectral Data of Porphyrins: Tetraphenyl and Analogous Porphyrins

Structure formula



NMR		IR	UV-visible		Remarks	Ref.
Solvent	Peaks δ [ppm] ^a /J [Hz]	Peaks Wave number $\tilde{\nu}$ [cm ⁻¹]	Solvent	Peaks λ [nm]/(ϵ [M ⁻¹ cm ⁻¹]/log ϵ)		
	¹H NMR -2.83 (s, 2H, N-H pyrrole), 7.76–7.84 (m, 3H, phenyl), 8.19–8.21 (m, 2H, phenyl), 8.81 (d, 2H, β -pyrrole), 8.89 (q, 4H, β -pyrrole), 8.96 (d, 2H, β -pyrrole)		DCM	412 (3.0 × 10 ⁵), 506, 582		[02Vin]

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

- [02Vin] Vinhado, F.S., Martins, P.R., Masson, A.P., Abreu, D.G., Vidoto, E.A., Nascimento, O.R., Iamamoto, Y.: J. Mol. Catal. A Chem. **188**, 141–151 (2002)