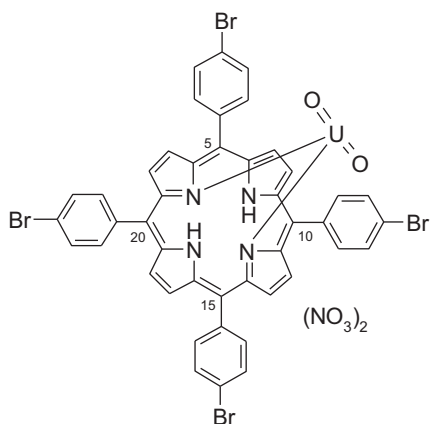


# Spectral data of uranium complex of porphyrin derivative C<sub>44</sub>H<sub>26</sub>Br<sub>4</sub>N<sub>6</sub>O<sub>8</sub>U

## Spectral Studies

### 2.1. Spectral Data of Porphyrins: Tetraphenyl and Analogous Porphyrins

#### Structure formula



NMR		IR	UV-visible		Remarks	Ref.
Solvent	Peaks $\delta$ [ppm] <sup>a</sup> /J [Hz]	Peaks Wave number $\tilde{\nu}$ [cm <sup>-1</sup> ]	Solvent	Peaks $\lambda$ [nm]/( $\epsilon$ [M <sup>-1</sup> cm <sup>-1</sup> ]/log $\epsilon$ )		
CDCl <sub>3</sub>	<b><sup>1</sup>H NMR</b> ~ -0.5 (br, 2H, NH), 8.24 (d, 8H, m, m'), 8.50 (d, 8H, o, o'), 8.79 (s, 8H, $\beta$ )	3320	CHCl <sub>3</sub>	445.4, 659.1	green solid	[08Deh1]

#### Symbols and abbreviations

Short Form	Full Form
NMR	nuclear magnetic resonance
IR	infrared
UV-Visible	ultraviolet-visible
$\delta$	chemical shift
$\gamma$	absorption band
$\lambda$	wavelength
$\epsilon$	molar absorptivity

## Reference

[08Deh1] Dehghani, H., Mansornia, M.R.: Polyhedron **27**, 849–853 (2008)