

SUPPORTING INFORMATION

To the Acta C paper

The polymeric structure of coproporphyrin I Ru(II) complex: a powder diffraction study

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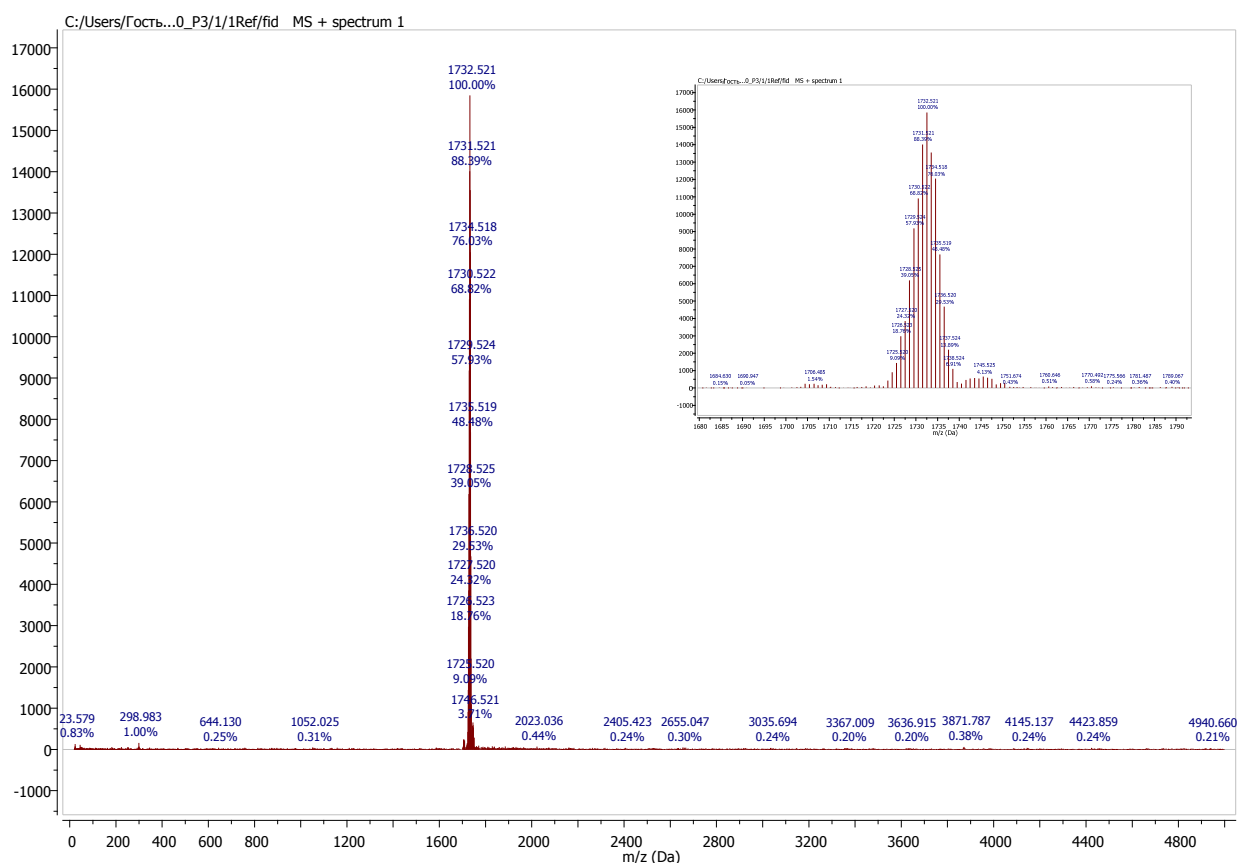


Figure S1. Mass spectrum of the ruthenium (II) coproporphyrin-I tetraethyl ester.

Mass spectrum was obtained on Ultraflex II Bruker Daltonics by MALDI TOF-method following the standard procedure of the Bruker company. MS (MALDI-TOF), m/z: 1732.51 (M^+), calc. for the paired molecules (dimer) without carbonyl ligands ($C_{88}H_{104}N_8O_{16}Ru_2$) 1732.

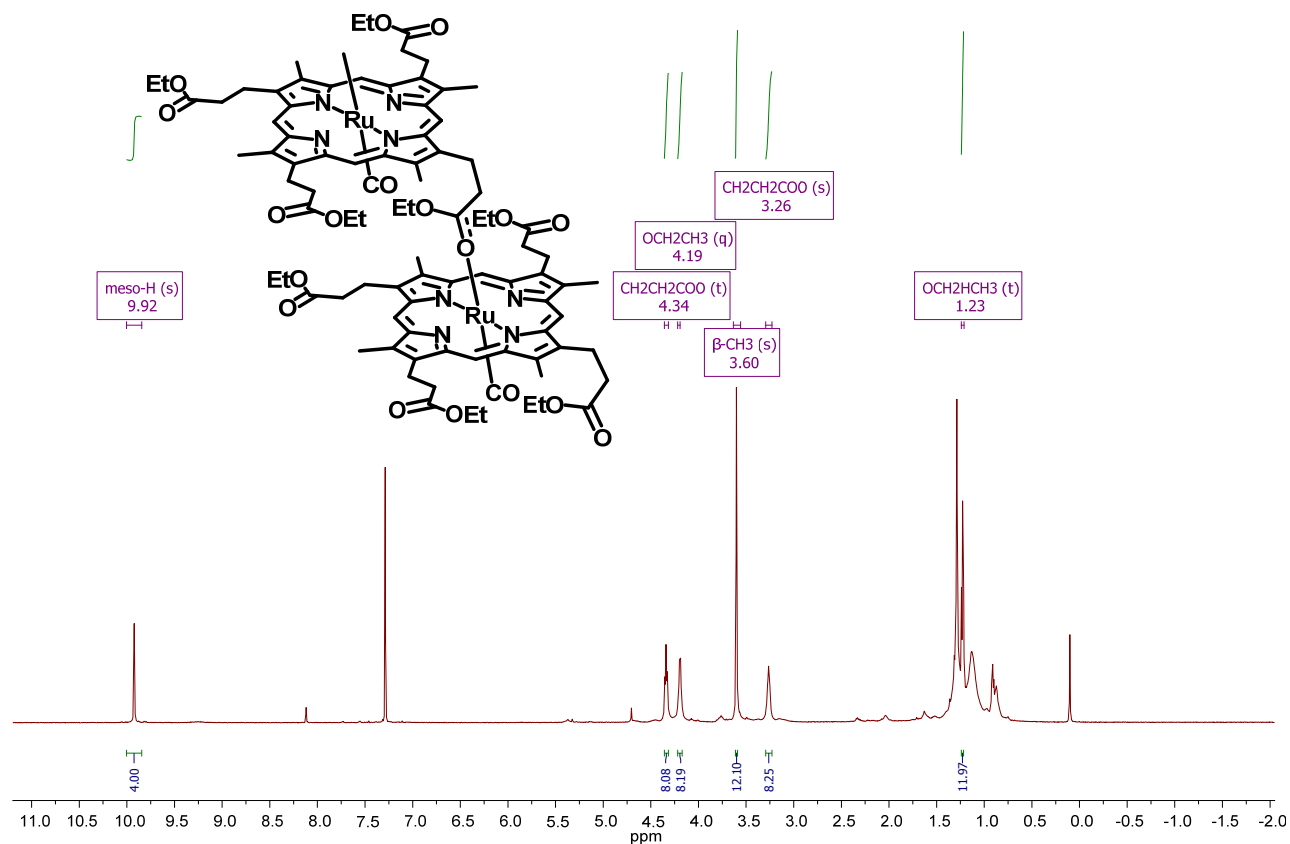


Figure S2. ¹H NMR spectrum of the ruthenium (II) coproporphyrin-I tetraethyl ester, was recorded in CDCl₃ on a spectrometer Bruker Avance III 600 at 25 °C.

NMR spectrum was recorded in CDCl₃ on a spectrometer Bruker Avance III 600 at 25 °C following the standard procedure of the Bruker company. ¹H NMR (600 MHz, CDCl₃), δ: 9.92 (4H, s, meso-H), 4.34 (8H, t, J=7.70; CH₂CH₂COO), 4.20 (8H, q, J=6.70; OCH₂CH₃), 3.60 (12H, s, β-CH₃), 3.26 (8H, s; CH₂CH₂COO), 1.23 (12H, t, J=7.15; OCH₂CH₃).

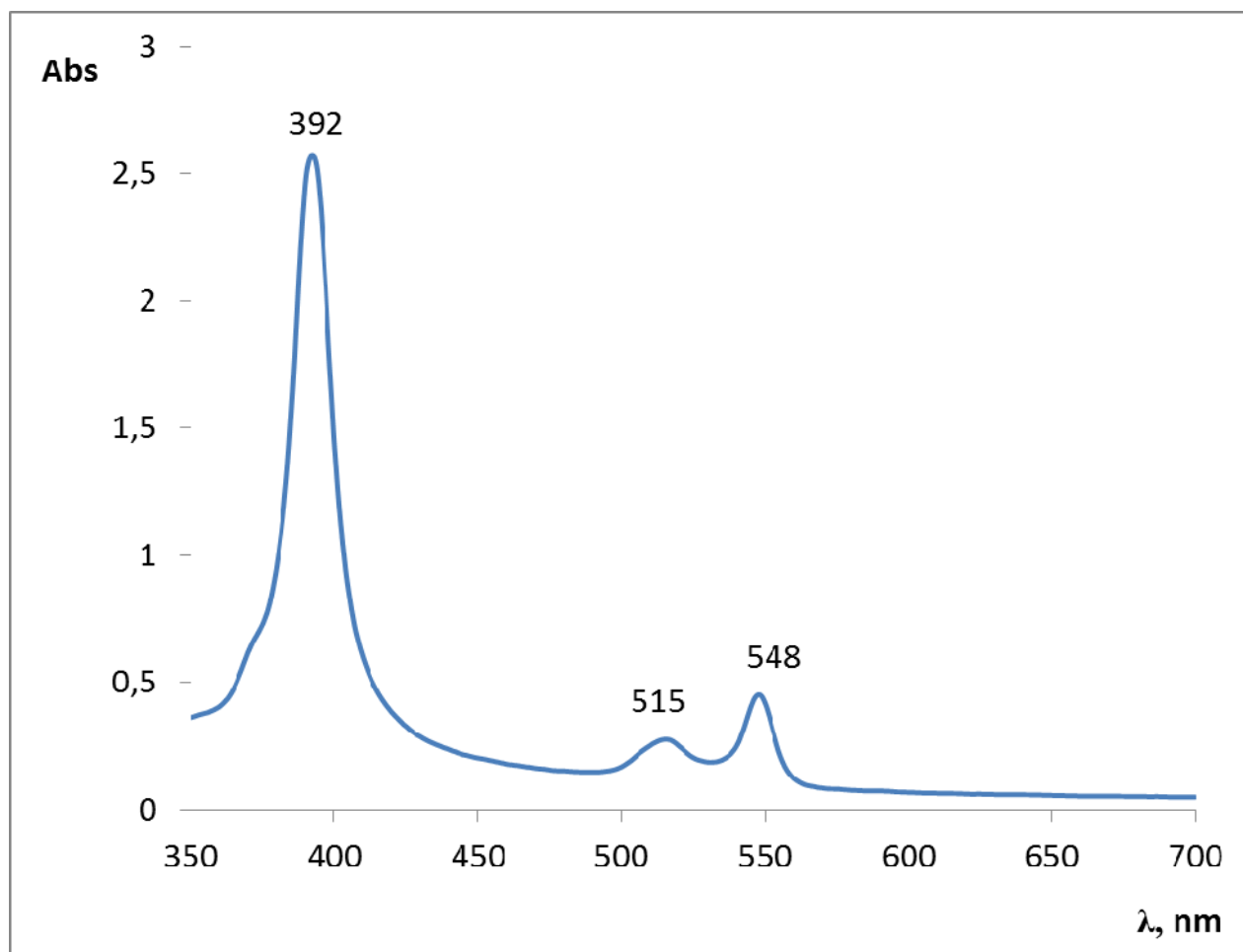


Figure S3. Absorption electronic spectrum of the ruthenium (II) coproporphyrin-I tetraethyl ester in CH₂Cl₂ (obtained on a spectrophotometer HITACHI U-2900).

UV-vis (CH₂Cl₂), λ_{max} (A_{ref}): 392 (1.00), 515 (0.11), 548 (0.18) nm.