Electronic Supplementary Material (ESI) for Journal of Materials Chemistry C. This journal is © The Royal Society of Chemistry 2015

Supporting Information

The Crucial Role of Self-assembling in Nonlinear Optical Properties of Polymeric Composites Based on Crown-substituted Ruthenium Phthalocyaninate

Yulia G. Gorbunova^{*a,b**}, Antonina D. Grishina^{*a*}, Alexander G. Martynov^{*a*}, Tatiyana V. Krivenko^a, Alexandra A. Isakova^a, Vladimir V. Savel'ev^a, Sergey E. Nefedov^b, Eugeny V. Abkhalimov^a, Anatoly V. Vannikov^a, Aslan Yu. Tsivadze^{a,b}

^a Frumkin Institute of Physical Chemistry and Electrochemistry, Russian Academy of Sciences, Leninskiy Pr. 31, Moscow, 119071, Russia

^b Kurnakov Institute of General and Inorganic Chemistry, Russian Academy of Sciences, Leninskiy Pr. 31, Moscow, 119991, Russia

e-mail: yulia@igic.ras.ru

Page

Figure S1. A scheme of the Z-scan measurement technique: (1) pulse laser, (2)	2
focusing lens, (3) sample moved along the beam direction from $-z$ to $+z$ range,	
(4) aperture with a 0.1 cm hole in the center, and (5) photodetector.	
Figure S2. Molecular structure of complex (1), (30% probability ellipsoids).	3
Hydrogen atoms are omitted for clarity.	
Figure S3. Crystal packing of complex (1). Hydrogen atoms and solvate	4
molecules are omitted for clarity.	
Figure S4. HR ESI-MS spectrum of complex (1).	5

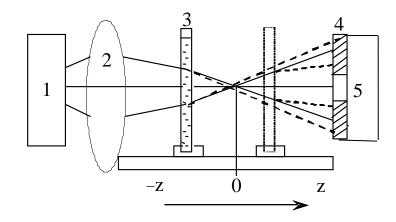


Figure S1. A scheme of the *Z*-scan measurement technique: (1) pulse laser, (2) focusing lens, (3) sample moved along the beam direction from -z to +z range, (4) aperture with a 0.1 cm hole in the center, and (5) photodetector.

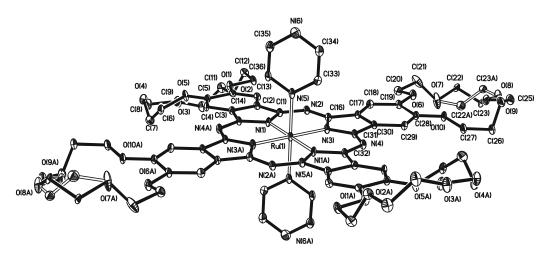


Figure S2. Molecular structure of complex (1), (30% probability ellipsoids). Hydrogen atoms are omitted for clarity.

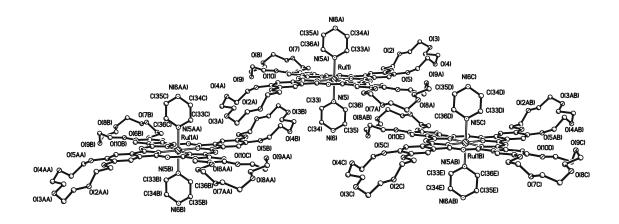


Figure S3. Crystal packing of complex (1). Hydrogen atoms and solvate molecules are omitted for clarity.

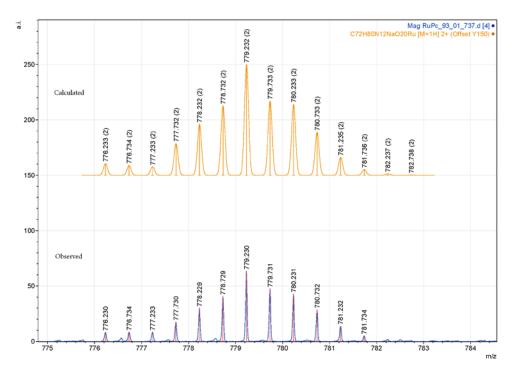


Figure S4. HR ESI-MS spectrum of complex (1).