## Crystal Structure and Fluorescence Properties of a New Ternary Binuclear Complex: $Sm_2(C_3H_3O_2)_6(phen)_2$

Xian-Wen Wang, Fu-Ping Chen, Liang Chen, and Jing-Zhong Chen

Faculty of Material Science and Chemical Engineering, China University of Geoscience, Hubei, Wuhan 430074, China

Reprint requests to Xian-Wen Wang. Fax: Int. +86-27-/87801763. E-mail: wxw10108092@yahoo.com.cn

Z. Naturforsch. 2007, 62b, 1267 – 1270; received May 26, 2007

A new ternary mixed ligand dinuclear samarium(III) complex,  $Sm_2(C_3H_3O_2)_6(phen)_2$  (1)  $(C_3H_3O_2)_6(phen)_2$  (1)  $(C_3H_3O_2)_6(phen)_$ 

Key words: Crystal Structure, Binuclear Samarium(III) Complex, Ternary Complex, Fluorescence Properties