

## Oligo(phenylene sulfide)s containing terminal thiol groups

© Vladimir I. Nedel'kin,<sup>1\*</sup> Boris A. Zachernyuk,<sup>1+</sup> Olga B. Andrianova,<sup>1</sup>  
Ecaterina N. Solov'yeva, Alexander B. Zachernyuk,<sup>2</sup> and Natalia S. Chernova<sup>1</sup>

<sup>1</sup>Theoretical Chemistry Division. K.G. Razumovski Moscow State University of Technologies  
and Management. Zemlyanoy Val St., 73. Moscow, 109044. Russia.

Phone: +7 (495) 640-54-36. E-mail: zachern@rambler.ru

<sup>2</sup>Laboratory of Organoelements Polymers. N.S. Enicolopov Institute of Synthetic Polymers Materials.  
Profsoyuznaya St., 70. Moscow, 117393. Russia. Phone: +7 (495) 332-58-62. E-mail: a\_zacher@mail.ru

\*Supervising author; +Corresponding author

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### Abstract

Chemical modification of oligo(phenylene sulfide)s by introduction of terminal thiol groups was performed. Telehelical  $\alpha,\omega$ -dithiols oligo(phenylene sulfide)s were synthesized through the reaction between isomeric oligo(phenylene sulfide)s and sodium hydrosulfide. The reactivity of the thiol groups was investigated in the reaction with metal(II) salts. Thermostable metallo(sulfide)s-oligo(phenylene sulfide)s, having at the chain C-metal bond, were obtained by polycondensation between  $\alpha,\omega$ -dithiols oligo(phenylene sulfide)s and Pb or Cd acetates.