

Synthesis, structure and antioxidant properties of symmetrical sulfur-containing trisphenols

© Tatiana A. Barsukova,¹⁺ Gulnara N. Nugumanova,¹ Sergey V. Bukharov,^{2*}
Alia R. Gabdrakhmanova,² Natalia A. Mukhmeneva,¹ Dmitry B. Krivolapov,³
and Igor A. Litvinov³

¹Department of Synthetic Rubber Technology. Kazan State Technological University.
K. Marx St., 68. Kazan, 420015. Tatarstan Republic. Russia. Phone: +7 (843) 231-42-49.
E-mail: tanibars@yandex.ru, guliang1@rambler.ru.

²Department of Technology of Basic Organic and Petrochemical Synthesis. Kazan State Technological
university. K. Marx St., 68. Kazan, 420015. Tatarstan Republic. Russia. Phone: +7 (843) 231-45-78.
E-mail: bukharov@kstu.ru;

³A.E. Arbuzov Institute of Organic and Physical Chemistry. Kazan Scientific Center of Russian Academy of
Sciences. Ac.Arbuzov St., 8. Kazan, 420088. Tatarstan Republic. Russia. Phone: +7 (843) 262-68-21.
E-mail: calder@iopc.knc.ru, litvinov@iopc.knc.ru.

*Supervising author; +Corresponding author

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Abstract

There have been synthesized sulfur containing trisphenols, the central part of the molecules of which is a six-membered aromatic ring and a six-membered heterocycle. We have established their molecular and crystal structures by X-ray structure analysis. The antioxidant activity of compounds synthesized was studied on the example of the inhibited oxidation of vaseline oil in the conditions of decomposition of the cumene hydroperoxide.