

Dithiophosphorylation of trimethylsilyl ethers of carvacrol and thymol

Nizamov I., Terenzhev D., Shumatbaev G., Batyeva E., Cherkasov R.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2016, Pleiades Publishing, Ltd. Carvacrol trimethylsilyl ether when reacting with P4S10 forms S-trimethylsilyl ester of O,O-bis(5-isopropyl-2-methylphenyl)dithiophosphoric acid. The reactions of 2,4-diorganyl-1,3,2,4-dithiadiphosphetane-2,4-disulfides with carvacrol (thymol) trimethylsilyl ether yield the S-trimethylsilyl esters of the corresponding dithiophosphoric acids.

<http://dx.doi.org/10.1134/S1070363216030117>

Keywords

carvacrol, dithiophosphate, dithiophosphonate, dithiophosphorylation, phosphorus sulfide, silyl ether, thymol