

Thiophosphorylated resorcinol, calix[4]resorcinols, and other hydroxyphenols

Burilov A., Nizamov I., Al'metkina L., Martianov Y., Nikitin Y., Pudovik M., Konovalov A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Perdithiophosphonic acids are new types of tetracoordinated phosphorus thioacids bearing many dithiophosphoryl groups. Novel perdithiophosphonic acids were obtained by the reactions of 2,4-diaryl-1,3,2,4-dithiadiphosphetane-2,4- disulfides with hydroxyphenols such as resorcinol, 4,4'-iso-propylidenebisphenol, pyrogallol, and calix[4]resorcinols. Copyright © Taylor & Francis Group, LLC.

<http://dx.doi.org/10.1080/10426507.2010.511360>

Keywords

2,4-diaryl 1,3,2,4-dithiadiphosphetane-2,4-disulfides, 4,4'-iso-propylidenebisphenol, Calix[4]resorcinols, Dithiophosphonic acids, Pyrogallol, Resorcinol