

Reaction of a 2 H -1,2,3-diazaphosphole with ethane-1,- -dithiol

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Abstract

Reaction of 2-acetyl-5-methyl-2H-1,2,3-diazaphosphole with ethane-1,2-dithiol at -30°C leads to the formation of 2-acetyl-3-(β - mercaptoethylthio)-5-methyl-1,2,3-diaza-phospholene. On heating, this product forms 2-(β -mercaptoethylthio)-1,3,2-dithia-phospholane, 1,2-bis(1,3,-dithiaphospholanyl)-dithioethane, and N-acetyl-N'-isopropilidene- hydrazine. © 2013 Copyright Taylor and Francis Group, LLC.

<http://dx.doi.org/10.1080/10426507.2012.741157>

Keywords

1,2,3-diazaphospholene, 1,3,2-dithia-phospholane, 2 H -1,2,3-Diazaphosphole, ethanedithiol