

Reaction of 2,4,6-triisopropyl-1,3,5-dioxaphosphorinane with phenyl azide

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Abstract

1. The reaction of 2,4,6-triisopropyl-1,3,5-dioxaphosphorinane with phenyl azide yields 5-phenylamino-2,4,6-triisopropyl-1,3,5-dioxaphosphorinane and 5-phenylimino-5-phenylamino-2,4,6-triisopropyl-1,3,5-dioxaphosphorinane in yields depending on the reagent ratio. 2. The stereoisomer with axial orientation of the amino group predominates in the equilibrium of 5-phenylamine, 5-diethylamino-, 5-piperidino-, and 5-morpholino-2,4,6-triisopropyl-1,3,5-dioxaphosphorinane and their sulfides. © 1984 Plenum Publishing Corporation.

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