

P, P, P -trihalobenzo-1,3,2-dioxaphopholes in the reaction with aliphatic acetylenes and diacetylenes: Synthesis of new phosphacoumarins

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Abstract

Bis(benzo[e]-1,2-oxaphosphinin-2-oxid-4(7)-yl)butane (-benzene) derivatives were synthesized for the first time both on the basis of reactions of diacetylene with P,P, P-trihalobenzo-1,3,2-dioxaphopholes and on the basis of reactions of bis(P,P,P-trihalobenzo-1,3,2-dioxaphosph-1-5-yl)butane (-benzene) with phenylacetylene. © 2013 Copyright Taylor and Francis Group, LLC.

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Keywords

1,2-oxaphosphinine, 1,3-butadiyne, 1,7-octadiyne, benzo-1,3,2-dioxaphospholes, diacetylene, nordihydroguaiaretic acid, Phenylacetylene, phosphacoumarin, terphenyl