

Tertiary Acetylenic Alcohols and Diols on the Basis of Phenylacetylene and 2-Methyl-3-butyn-2-ol*

V. I. Potkin, E. A. Dikumar, and N. G. Kozlov

*Institute of Physical Organic Chemistry, National Academy of Sciences of Belarus,
ul. Surganova 13, Minsk, 220072 Belarus
e-mail: potkin@ifoch.bas-net.by*

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Abstract - A procedure has been proposed for the synthesis of tertiary acetylenic alcohols and diols by treatment of phenylacetylene or 2-methyl-3-butyn-2-ol with butyllithium and subsequent reaction of lithium phenylacetylide or lithium 4-lithio-2-methyl-3-butyn-2-olate thus obtained with alicyclic, aromatic, and terpene ketones.