

New phosphorus dithioacids and their derivatives containing chiral centers and pharmacophoric groups

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Abstract

© 2016 Taylor & Francis Group, LLC. New phosphorus dithioacids, their ammonium salts and S-silyl and plumbyl derivatives containing asymmetric carbon atoms and pharmacophoric groups were obtained by the reactions of tetraphosphorus decasulfide and 1,3,2,4-dithiadiphosphetane-2,4-disulfides with chiral natural terpenyl alcohols, diols, carboxylic acid esters, amino acids and monosaccharides as well as synthetic chiral amines and 1-phenylethanol. The biological activity of the ammonium salts and S-esters of phosphorus dithioacids were studied.

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Keywords

biological activity, chirality, dithiophosphorylation, pharmacophoric, Phosphorus dithioacids