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THE REACTION OF PHOSPHORYLATION OF *TRANS*-ACONITIC ACID BY TERTIARY PHOSPHINES

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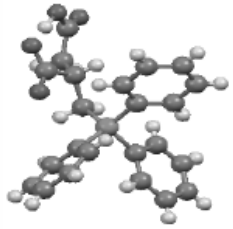
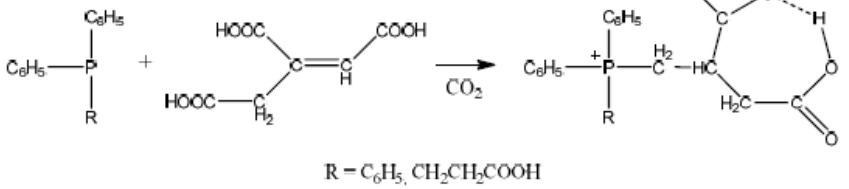
A wide series of phosphabetaines has been obtained in reactions of tertiary phosphines with unsaturated mono- and dicarboxylic acids [1]. Herein, we report the phosphorylation of *trans*-aconitic acid by tertiary phosphines. The reactions proceeded with the decarboxylation and formation of the corresponding carboxylate phosphabetaines in good yield. The betaines structure was confirmed by a set of spectral methods and X-ray structure analysis.





R = C_6H_5, CH_2CH_2COOH

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References:
[1] V.I. Galkin, Yu.V. Bakhtiyarova, R.I. Sagdieva, I.V. Galkina, R.A. Cherkasov Heteroatom Chem., 17, 557 (2006).