

amines (benzene compounds)

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**A Facile Approach to  $\gamma,\delta$ -Unsaturated Amides.**

—  $\gamma$ -(Diethoxyphosphoryl)butyric acid (I) reacts with aldehydes such as (II) to give the lactones (III). These undergo cleavage reaction with 1-phenylethylamine (IV), forming the  $\gamma,\delta$ -unsaturated amides (V). — (JANECKI, T.; Synth. Commun. 22 (1992) 14, 2063-2070; Inst. Org. Chem., Techn. Univ., 90-924 Lodz, Pol.; EN)

