

Reaction of 4,4-Dimethyl-1,3-dioxane with Dinitriles

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Abstract—The reaction of 4,4-dimethyl-1,3-dioxane with bis(2-cyano)diethyl ether or 1,2-di(β -cyanoethoxy)ethane yields the corresponding bis[2-(4,4-dimethyl-5,6-dihydro-2-oxaziny)]diethyl ether and 1,2-di{ β -[2-(4,4-dimethyl-5,6-dihydro-2-oxaziny)]ethoxy}ethane which are readily hydrolyzed under the action of aqueous alkali to give 3-methyl-3-amino-1-butanol.