

# Cycloadducts of Methyl Hydroxyalkynoates and DBU: Transformation into Tethered Furan-2(5*H*)-one and Caprolactam Structures

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**Abstract**—Cycloadducts of 1,8-diazabicyclo[5.4.0]undec-7-ene and methyl 4-hydroxyalk-2-ynoates, octahydro-5*H*,9*H*-[1,3]oxazolo[2',3':2,3]pyrimido[1,2-*a*]azepines, in the presence of potassium hydroxide in aqueous ethanol were converted to structures in which furan-2(5*H*)-one and caprolactam rings are linked to each other through an aminopropane tether.

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