

Product Data Sheet

Product Name: DL-Pantolactone

Cat. No.: GC61724

Chemical Properties

Cas. No. 79-50-5

SMILES O=C1OCC(C)(C)C1O

Formula $C_6H_{10}O_3$

M.Wt 130.14

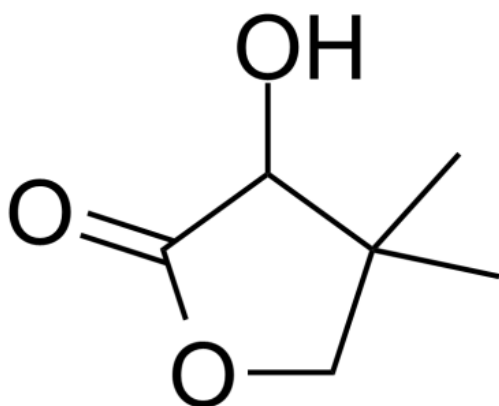
Solubility

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

DL-Pantolactone can be hydrolyzed to Pantoic acid by the lactonohydrolase of *Fusarium oxysporum*. DL-Pantolactone also can be used in the preparation of 3,5-dinitrobenzoyl-DL-pantolactone[1][2].

[1]. Goodhue CT, et, al. The bacterial degradation of pantothenic acid. 3. Enzymatic formation of aldopantoic acid. *Biochemistry*. 1966 Feb;5(2):403-8. [2]. Shimizu S, et, al. Optical resolution of pantolactone by a novel fungal enzyme, lactonohydrolase. *Ann N Y Acad Sci*. 1996 Oct 12;799:650-

Caution: Product has not been fully validated for medical applications. For research use only.

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