

Product Data Sheet

Product Name: D-Ribonolactone

Cat. No.: GC60793

Chemical Properties

Cas. No. 5336-08-3

SMILES O=C1[C@H](O)[C@H](O)[C@@H](CO)O1

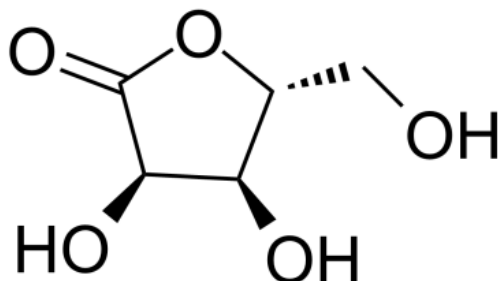
Formula C5H8O5 M.Wt 148.11

Solubility DMSO : 125 mg/mL (843.97 mM; Need ultrasonic) 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

D-Ribonolactone is sugar lactone and an inhibitor of β -galactosidase of Escherichia coli with a K_i of 26 mM[1].

K_i : 26 mM (β -galactosidase)

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

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[1]. Huber RE, et al. Strong inhibitory effect of furanoses and sugar lactones on beta-galactosidase Escherichia coli. Biochemistry. 1987 Mar 24;26(6):1526-31.

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