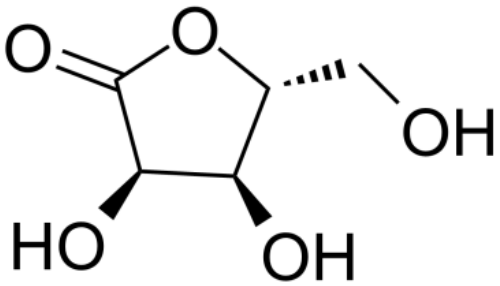
Product Data Sheet

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	$C_5H_8O_5$	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 Ki of 26 mM[1].

Ki: 26 mM (β-galactosidase)

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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.