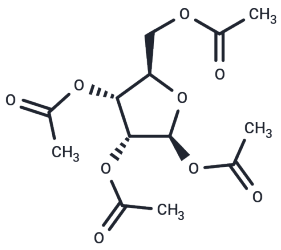
Data Sheet (Cat.No.T35435)

TargetMol

β-D-Ribofuranose 1,2,3,5-tetraacetate

Chemical Properties



CAS No. : 13035-61-5

Formula: C13H18O9

Molecular Weight: 318.28

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	β-D-Ribofuranose 1,2,3,4-tetraacetate is a precursor in the synthesis of nucleosides with antiproliferative activity against cancer cells.1,2
Targets(IC50)	Others

Solubility Information

Solubility	DMF: 10 mg/mL (31.42 mM),Sonication is recommended. DMSO: 10 mg/mL (31.42 mM),Sonication is recommended. PBS (pH 7.2): 10 mg/mL (31.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1419 mL	15.7094 mL	31.4189 mL
5 mM	0.6284 mL	3.1419 mL	6.2838 mL
10 mM	0.3142 mL	1.5709 mL	3.1419 mL
50 mM	0.0628 mL	0.3142 mL	0.6284 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Furukawa, Y., and Honjo, M.A novel method for the synthesis of purine nucleosides using Friedel-Crafts catalystsChem. Pharm. Bull. (Tokyo)16(6)1076-1080(1968)

Wicke, L., Engels, J.W., Gambari, R., et al.Synthesis and antiproliferative activity of quinolone nucleosides against the human myelogenous leukemia k-562 cell lineArch. Pharm. (Weinheim)346(10)757-765(2013)

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