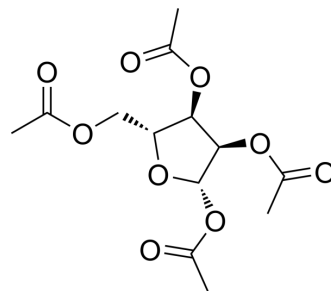


beta-D-Ribofuranose 1,2,3,5-tetraacetate

Cat. No.:	HY-W018334		
CAS No.:	13035-61-5		
Molecular Formula:	C ₁₃ H ₁₈ O ₉		
Molecular Weight:	318.28		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (157.09 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Beta-D-Ribofuranose 1,2,3,5-tetraacetate is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

In Vitro

β-D-Ribofuranose 1,2,3,4-tetraacetate is a precursor in the synthesis of nucleotides with antiproliferative activity against cancer cells.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Furukawa, Y., and Honjo, MA novel method for the synthesis of purine nucleotides using Friedel-Crafts catalysts Chem. Pharm. Bull. (Tokyo) 16(6) 1076-1080(1968).
- [2]. Wicke, L., Engels, JW, Gambari, R., et al. Synthesis and antiproliferative activity of quinolone nucleotides against the human myelogenous leukemia k-562 cell line Arch. Pharm. (Weinheim) 346(10)757-765(2013).

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

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