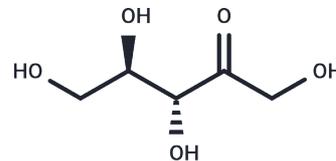


D-Ribulose

Chemical Properties

CAS No. :	488-84-6
Formula:	C ₅ H ₁₀ O ₅
Molecular Weight:	150.13
Appearance:	no data available
Storage:	store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	D-Ribulose has potential as an anticancer and antiviral compound and is a rare sugar used in the food, agricultural and pharmaceutical industries.
Targets(IC50)	Antiviral

Solubility Information

Solubility	H ₂ O: 50 mg/mL (333.11 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6609 mL	33.3045 mL	66.6089 mL
5 mM	1.3322 mL	6.6609 mL	13.3218 mL
10 mM	0.6661 mL	3.3304 mL	6.6609 mL
50 mM	0.1332 mL	0.6661 mL	1.3322 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.

Reference

Iqbal MW, et al. A review on selective l-fucose/d-arabinose isomerases for biocatalytic production of l-fucose/d-ribulose. Int J Biol Macromol. 2021 Jan 31;168:558-571.

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