

D-Ribulose

Chemical Properties

CAS No. : 488-84-6

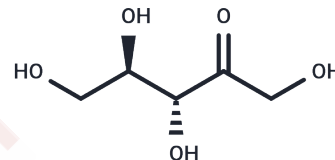
Formula: C₅H₁₀O₅

Molecular Weight: 150.13

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



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 H₂O: 50 mg/mL (333.04 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

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

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.

Holzenburg A, et al. D-ribulose-1,5-bisphosphate carboxylase/oxygenase: function-dependent structural changes. Electron Microsc Rev. 1989;2(1):139-69.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481