

D-Galacturonic acid hydrate

Chemical Properties

CAS No. : 91510-62-2

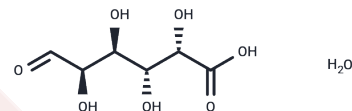
Formula: C₆H₁₂O₈

Molecular Weight: 212.16

Store at low temperature

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	D-(+)-Galacturonic acid is one of the endogenous metabolites.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 163.33 mg/mL (769.84 mM),Sonication is recommended. H2O: 166.7 mg/mL (785.73 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (47.13 mM),Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7134 mL	23.5671 mL	47.1342 mL
5 mM	0.9427 mL	4.7134 mL	9.4268 mL
10 mM	0.4713 mL	2.3567 mL	4.7134 mL
50 mM	0.0943 mL	0.4713 mL	0.9427 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

Klaus, U., et al.: Environ. Sci. Technol., 34, 3514 (2000)

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