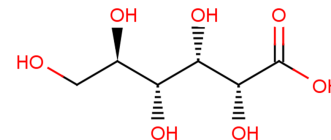


D-Gluconic acid

Chemical Properties

CAS No.:	526-95-4
Formula:	C ₆ H ₁₂ O ₇
Molecular Weight:	196.16
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	D-gluconic acid is a carboxylic acid that has antiseptic and chelating properties through oxidation.
Targets(IC ₅₀)	Human Endogenous Metabolite: None
In vitro	D-gluconic acid (a simple sugar acid) is the most important antifungal metabolite produced by Pseudomonas. Channel AN5 has a biological control effect against all fungal pathogens.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.098 mL	25.489 mL	50.979 mL
5 mM	1.02 mL	5.098 mL	10.196 mL
10 mM	0.51 mL	2.549 mL	5.098 mL
50 mM	0.102 mL	0.51 mL	1.02 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kaur R, et al. Gluconic acid: an antifungal agent produced by Pseudomonas species in biological control of take-all. Phytochemistry. 2006 Mar;67(6):595-604.

Inhibitors · Natural Compounds · Compound Libraries

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