Data Sheet (Cat.No.T131498)

TargetMol

Opuntiol

Chemical Properties

CAS No. : 2860-28-8

Formula: $C_7H_8O_4$

Molecular Weight: 156.14

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	Opuntiol can inhibit acid corrosion of mild steel and is useful for research in materials science and biointerfaces, with a focus on corrosion inhibition mechanisms mediated by natural products and the evaluation of plant-derived protective compounds.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.4045 mL	32.0225 mL	64.0451 mL
5 mM	1.2809 mL	6.4045 mL	12.809 mL
10 mM	0.6405 mL	3.2023 mL	6.4045 mL
50 mM	0.1281 mL	0.6405 mL	1.2809 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

Ganguly A K, et al. Structure of opuntiol, a constituent of Opuntia elatior[J]. Tetrahedron, 1965, 21(1): 93-99.

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