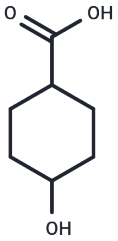
Data Sheet (Cat.No.T19135)

TargetMol

4-Hydroxycyclohexanecarboxylic acid

Chemical Properties



CAS No. : 17419-81-7

Formula: C7H12O3

Molecular Weight: 144.17

Storage: Keep away from moisture
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	4-Hydroxycyclohexanecarboxylic acid is a substrate of cyclohexanecarboxylic acid and is isolated from olive brine.
Targets(IC50)	Endogenous Metabolite
In vitro	4-Hydroxycyclohexanecarboxylic acid can be used as a substrate to produce cyclohexanecarboxylic acid during the "zapatera" deterioration process of Spanish green table olives.[2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.9363 mL	34.6813 mL	69.3626 mL
5 mM	1.3873 mL	6.9363 mL	13.8725 mL
10 mM	0.6936 mL	3.4681 mL	6.9363 mL
50 mM	0.1387 mL	0.6936 mL	1.3873 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

Sewell AC,et al. 4-Hydroxycyclohexanecarboxylic acid: a rare compound in urinary organic acid analysis. Clin Chem. 1991 Jul;37(7):1301-2.
Montaño A, et al. 4-Hydroxycyclohexanecarboxylic Acid as a Substrate for Cyclohexanecarboxylic Acid Production during the " Zapatera " Spoilage of Spanish-Style Green Table Olives. J Food Prot. 1996 Jun;59(6):657-662.

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