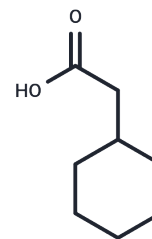


Cyclohexylacetic acid

Chemical Properties

CAS No. :	5292-21-7
Formula:	C ₈ H ₁₄ O ₂
Molecular Weight:	142.20
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Cyclohexylacetic acid is an important aliphatic carboxylic acid organic reagent. Cyclohexylacetic acid serves as a key intermediate in organic synthesis for the production of antiepileptic drugs, anti-inflammatory drugs, herbicides, and other compounds. Cyclohexylacetic acid can also be used as a culture medium additive, a buffer component, or a metabolic probe.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 80.00 mg/mL (562.59 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.0323 mL	35.1617 mL	70.3235 mL
5 mM	1.4065 mL	7.0323 mL	14.0647 mL
10 mM	0.7032 mL	3.5162 mL	7.0323 mL
50 mM	0.1406 mL	0.7032 mL	1.4065 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

Fumiki Yoshizako, et al., Bioconversion of cyclohexaneacetic acid to monohydroxycyclohexaneacetic acids by *Chlorella pyrenoidosa* chick. 1991, 72(5): 343-346.

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