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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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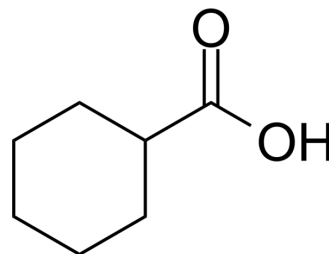
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Cyclohexanecarboxylic acid

Cat. No.:	HY-Y1373	
CAS No.:	98-89-5	
Molecular Formula:	C ₇ H ₁₂ O ₂	
Molecular Weight:	128.17	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Pure form	-20°C 3 years
		4°C 2 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (780.21 mM; Need ultrasonic)
 H₂O : 100 mg/mL (780.21 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.8021 mL	39.0107 mL	78.0214 mL
	5 mM	1.5604 mL	7.8021 mL	15.6043 mL
	10 mM	0.7802 mL	3.9011 mL	7.8021 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (19.51 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (19.51 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (19.51 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Cyclohexanecarboxylic acid is a Valproate structural analogue with anticonvulsant action^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Liu MJ, et al. Pharmacokinetics and pharmacodynamics of valproate analogues in rats. IV. Anticonvulsant action and neurotoxicity of octanoic acid, cyclohexanecarboxylic acid, and 1-methyl-1-cyclohexanecarboxylic acid. *Epilepsia*. 1994 Jan-Feb;35(1):234-43.

Caution: Product has not been fully validated for medical applications. For research use only.

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