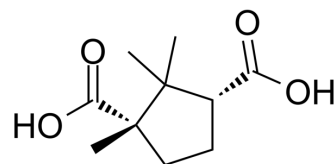


(-)-Camphoric acid

Cat. No.:	HY-122808		
CAS No.:	560-09-8		
Molecular Formula:	C ₁₀ H ₁₆ O ₄		
Molecular Weight:	200.23		
Target:	mGluR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (624.28 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.9943 mL	24.9713 mL	49.9426 mL
	5 mM	0.9989 mL	4.9943 mL	9.9885 mL
	10 mM	0.4994 mL	2.4971 mL	4.9943 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: ≥ 2.08 mg/mL (10.39 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (10.39 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (10.39 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(-)-Camphoric acid is the less active enantiomer of Camphoric acid. Camphoric acid stimulates osteoblast differentiation and induces glutamate receptor expression. Camphoric acid also significantly induced the activation of NF-κB and AP-1^[1].

REFERENCES

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

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