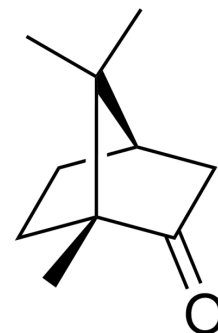


(+)-Camphor

Cat. No.:	HY-B1173		
CAS No.:	464-49-3		
Molecular Formula:	C ₁₀ H ₁₆ O		
Molecular Weight:	152.23		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (328.45 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.5690 mL	32.8450 mL	65.6901 mL
	5 mM	1.3138 mL	6.5690 mL	13.1380 mL
	10 mM	0.6569 mL	3.2845 mL	6.5690 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 (16.42 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (16.42 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (16.42 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(+)-Camphor is a food additive used medicinally as a preservative.

REFERENCES

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

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