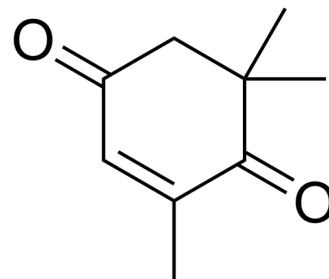


Ketoisophorone

Cat. No.:	HY-107832		
CAS No.:	1125-21-9		
Molecular Formula:	C ₉ H ₁₂ O ₂		
Molecular Weight:	152.19		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
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 (657.07 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.5707 mL	32.8537 mL	65.7073 mL
	5 mM	1.3141 mL	6.5707 mL	13.1415 mL
	10 mM	0.6571 mL	3.2854 mL	6.5707 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 (16.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (16.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (16.43 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Ketoisophorone (4-Oxoisophorone) is a key intermediate in the synthesis of carotenoids and flavouring agents. Ketoisophorone is an industrially important cyclic endione^[1].

REFERENCES

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

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