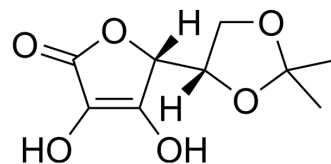


5,6-O-Isopropylidene-L-ascorbic acid

Cat. No.:	HY-W014141		
CAS No.:	15042-01-0		
Molecular Formula:	C ₉ H ₁₂ O ₆		
Molecular Weight:	216.19		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
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 : 100 mg/mL (462.56 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.6256 mL	23.1278 mL	46.2556 mL
	5 mM	0.9251 mL	4.6256 mL	9.2511 mL
	10 mM	0.4626 mL	2.3128 mL	4.6256 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 (11.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (11.56 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (11.56 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5,6-O-Isopropylidene-L-ascorbic acid (L-Ascorbic acid 5,6-acetonide) is an organic compound. 5,6-O-Isopropylidene-L-ascorbic acid is a derivative of L-Ascorbic acid (vitamin C). Ascorbic acid has antioxidant properties.

REFERENCES

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

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