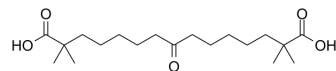


2,2,14,14-Tetramethyl-8-oxopentadecanedioic acid

Cat. No.:	HY-136584		
CAS No.:	413624-71-2		
Molecular Formula:	C ₁₉ H ₃₄ O ₅		
Molecular Weight:	342.47		
Target:	Others		
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 (292.00 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9200 mL	14.5998 mL	29.1996 mL
	5 mM	0.5840 mL	2.9200 mL	5.8399 mL
	10 mM	0.2920 mL	1.4600 mL	2.9200 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 (7.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (7.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (7.30 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2,2,14,14-Tetramethyl-8-oxopentadecanedioic acid is a ketone compound extracted from patent WO2002030860A2, compound example II-9. 2,2,14,14-Tetramethyl-8-oxopentadecanedioic acid can be used for the research of cardiovascular diseases, dyslipidemias, dysproteinemias, and glucose metabolism disorders^[1].

REFERENCES

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

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