Glurate

Cat. No.: HY-W001957

CAS No.: 3128-06-1

Molecular Formula: $C_6H_{10}O_3$

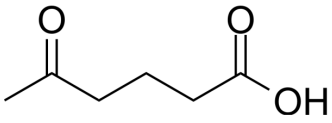
Molecular Weight: 130.14

Target: Antibiotic

Pathway: Anti-infection

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 (768.40 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	7.6840 mL	38.4202 mL	76.8403 mL
5 mM	1.5368 mL	7.6840 mL	15.3681 mL
10 mM	0.7684 mL	3.8420 mL	7.6840 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (19.21 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (19.21 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (19.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Glurate (4-Acetylbutyric acid; 5-Oxohexanoic acid) can be used to construct antiviral agents (acyclic nucleoside esters) (extracted from patent WO1997030052A1)[1].

REFERENCES

[1]. Per Engelhardt, et al. Synthesis of acyclic nucleosides. Patent WO1997030052A1.

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