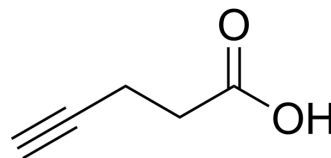


4-Pentynoic acid

Cat. No.:	HY-Y1230		
CAS No.:	6089-09-4		
Molecular Formula:	C ₅ H ₆ O ₂		
Molecular Weight:	98.1		
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 (1019.37 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	10.1937 mL	50.9684 mL	101.9368 mL
	5 mM	2.0387 mL	10.1937 mL	20.3874 mL
	10 mM	1.0194 mL	5.0968 mL	10.1937 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: ≥ 1.25 mg/mL (12.74 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.25 mg/mL (12.74 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.25 mg/mL (12.74 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-Pentynoic acid (Propargylacetic acid) is an intermediate to produce biologically active compounds. 4-Pentynoic acid is widely utilized as a building block for the synthesis of eight sequence-defined model oligomers^[1]. 4-Pentynoic acid is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

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

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