



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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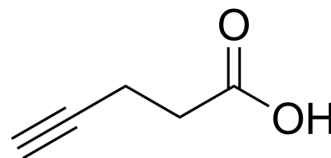
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## 4-Pentynoic acid

Cat. No.:	HY-Y1230		
CAS No.:	6089-09-4		
Molecular Formula:	C <sub>5</sub> H <sub>6</sub> O <sub>2</sub>		
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<sup>[1]</sup>. 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.

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

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