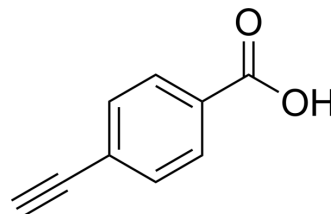


4-Ethynylbenzoic acid

Cat. No.:	HY-W007533		
CAS No.:	10602-00-3		
Molecular Formula:	C ₉ H ₆ O ₂		
Molecular Weight:	146.14		
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 (684.28 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.8428 mL	34.2138 mL	68.4275 mL
	5 mM	1.3686 mL	6.8428 mL	13.6855 mL
	10 mM	0.6843 mL	3.4214 mL	6.8428 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 (17.11 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (17.11 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (17.11 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-Ethynylbenzoic acid is a biochemical reagent that can be used as a biological material or organic compound for life science related research. 4-Ethynylbenzoic 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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