3-Butyn-1-ol

Cat. No.: HY-W001947

CAS No.: 927-74-2

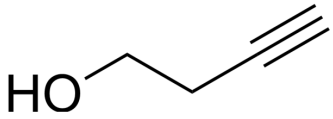
Molecular Formula: C_4H_6O

Molecular Weight: 70.09

Target: Biochemical Assay Reagents

Pathway: Others

Storage: 4°C, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (1426.74 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	14.2674 mL	71.3369 mL	142.6737 mL
	5 mM	2.8535 mL	14.2674 mL	28.5347 mL
	10 mM	1.4267 mL	7.1337 mL	14.2674 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 (35.67 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (35.67 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3-Butyn-1-ol is a biochemical reagent that can be used as a biological material or organic compound for life science related research. 3-Butyn-1-ol is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAc) with molecules containing Azide groups.

IC_{50} & Target

Human Endogenous Metabolite

In Vitro

Used in the manufacture of plasticizers, lubricants, acetylenic esters, spices, etc. Also used in drug synthesis.
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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