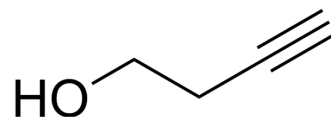


3-Butyn-1-ol

Cat. No.:	HY-W001947
CAS No.:	927-74-2
Molecular Formula:	C ₄ H ₆ O
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)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		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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