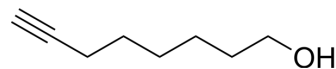


7-Octyn-1-ol

Cat. No.:	HY-W008554
CAS No.:	871-91-0
Molecular Formula:	C ₈ H ₁₄ O
Molecular Weight:	126.2
Target:	Others
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 (792.39 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	7.9239 mL	39.6197 mL	79.2393 mL
			5 mM	1.5848 mL	7.9239 mL	15.8479 mL
			10 mM	0.7924 mL	3.9620 mL	7.9239 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (19.81 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (19.81 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (19.81 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	7-Octyn-1-ol is the precursor to 7-octynoic acid. 7-Octyn-1-ol oxidation results in 7-octynoic acid ^[1] . 7-Octyn-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.
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REFERENCES

[1]. Reed CS, et al. Modulating the development of E. coli biofilms with 2-aminoimidazoles. *Bioorg Med Chem Lett.* 2010 Nov 1;20(21):6310-2.

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

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