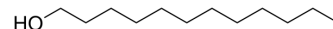


1-Dodecanol

Cat. No.:	HY-Y0289	
CAS No.:	112-53-8	
Molecular Formula:	C ₁₂ H ₂₆ O	
Molecular Weight:	186.33	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
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 (536.68 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	5.3668 mL	26.8341 mL	53.6682 mL
	5 mM	1.0734 mL	5.3668 mL	10.7336 mL
	10 mM	0.5367 mL	2.6834 mL	5.3668 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 (13.42 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (13.42 mM); Clear solution			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (13.42 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	1-Dodecanol is an endogenous metabolite.	
IC ₅₀ & Target	Microbial Metabolite	Human Endogenous Metabolite

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

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