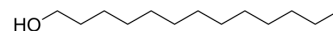


1-Tridecanol

Cat. No.:	HY-W004293
CAS No.:	112-70-9
Molecular Formula:	C ₁₃ H ₂₈ O
Molecular Weight:	200.36
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 (499.10 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		4.9910 mL	24.9551 mL	49.9102 mL
		5 mM		0.9982 mL	4.9910 mL	9.9820 mL
		10 mM		0.4991 mL	2.4955 mL	4.9910 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 (12.48 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.48 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.48 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	1-Tridecanol is an organic compound commonly used as a surfactant, lubricant, and stabilizer, among others. It can be used in some cleaning products, preservatives and plastic additives, and can help enhance their performance and stability. In addition, the compound is used in some industrial fields, for example in the manufacture of products such as cellulose and paints. Although the compound has no direct medical application, it plays an important role in consumer products and industrial production.
In Vitro	1-Tridecanol is a biochemical reagent that can be used as a biological material or organic compound for life science related

research.

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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