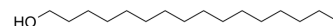


1-Hexadecanol

Cat. No.:	HY-B1465
CAS No.:	36653-82-4
Molecular Formula:	C ₁₆ H ₃₄ O
Molecular Weight:	242.44
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (41.25 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	4.1247 mL	20.6237 mL	41.2473 mL
		5 mM	0.8249 mL	4.1247 mL	8.2495 mL
		10 mM	0.4125 mL	2.0624 mL	4.1247 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: 1 mg/mL (4.12 mM); Suspended solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (4.12 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	1-Hexadecanol is a fatty alcohol, a lipophilic substrate.
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Nawale L, et al. Anti-proliferative effect of novel primary cetyl alcohol derived sophorolipids against human cervical cancer cells HeLa. PLoS One. 2017 Apr 18;12(4):e0174241.

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

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