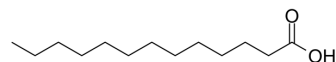


Tridecanoic acid

Cat. No.:	HY-Y1718		
CAS No.:	638-53-9		
Molecular Formula:	C ₁₃ H ₂₆ O ₂		
Molecular Weight:	214.34		
Target:	Endogenous Metabolite; Bacterial		
Pathway:	Metabolic Enzyme/Protease; Anti-infection		
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 (466.55 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	4.6655 mL	23.3274 mL	46.6548 mL
	5 mM	0.9331 mL	4.6655 mL	9.3310 mL
	10 mM	0.4665 mL	2.3327 mL	4.6655 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: ≥ 6.25 mg/mL (29.16 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 6.25 mg/mL (29.16 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 6.25 mg/mL (29.16 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	Tridecanoic acid (N-Tridecanoic acid), a 13-carbon medium-chain saturated fatty acid, can serve as an antipersister and antibiofilm agent that may be applied to research bacterial infections. Tridecanoic acid inhibits Escherichia coli persistence and biofilm formation ^[1] .
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REFERENCES

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

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