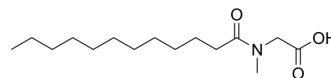


N-Lauroylsarcosine

Cat. No.:	HY-W141881
CAS No.:	97-78-9
Molecular Formula:	C ₁₅ H ₂₉ NO ₃
Molecular Weight:	271.4
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (921.15 mM; Need ultrasonic)					
	H ₂ O : < 0.1 mg/mL (ultrasonic) (insoluble)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.6846 mL	18.4230 mL	36.8460 mL
5 mM			0.7369 mL	3.6846 mL	7.3692 mL	
	10 mM		0.3685 mL	1.8423 mL	3.6846 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: ≥ 2.08 mg/mL (7.66 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.66 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.66 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	N-lauroylsarcosine is an anionic surfactant, and can be used as a permeation enhancer. The mixture of N-lauroylsarcosine in 25-50% ethanol acts synergistically to increase skin permeability, which may be useful for transdermal drug delivery research ^[1] .
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REFERENCES

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

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