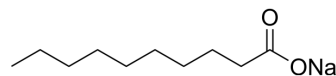


Decanoic acid sodium

Cat. No.:	HY-115340
CAS No.:	1002-62-6
Molecular Formula:	C ₁₀ H ₁₉ NaO ₂
Molecular Weight:	194.25
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

H₂O : 100 mg/mL (514.80 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration	1 mg	5 mg	10 mg	
1 mM	5.1480 mL	25.7400 mL	51.4800 mL		
5 mM	1.0296 mL	5.1480 mL	10.2960 mL		
10 mM	0.5148 mL	2.5740 mL	5.1480 mL		

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Decanoic acid sodium, also known as Decanoic acid sodium, is a salt of the fatty acid capric acid. It is easily soluble in water and has a slightly soapy smell. Decanoic acid sodium acts as a penetration enhancer, which means it increases the absorption and bioavailability of drugs across biological membranes, including the intestinal epithelium and the blood-brain barrier. This property makes it useful in pharmaceutical formulations to improve drug delivery and effectiveness. Furthermore, Decanoic acid sodium has potential applications in food preservatives and cosmetics due to its antibacterial properties.

In Vitro

Sodium decanoic acid 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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