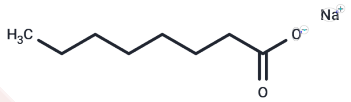
Data Sheet (Cat.No.TN9421)

TargetMol

Caprylic acid sodium

Chemical Properties



CAS No. : 1984-06-1

Formula: C8H15NaO2

Molecular Weight: 166.19

Storage: Keep away from moisture
Store at RT
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Caprylic acid sodium (Sodium n-Octanoate) can induce GTPγS to bind to PUMA-G/HM74a/HM74 on the CHO cell membrane and can be used in experiments in the field of life sciences.
Targets(IC50)	Others
In vitro	The presence of 55 nM glucagon and 1 mM Caprylic acid sodium in the culture medium increased the activity of pyruvate dehydrogenase kinase in mitochondrial extracts of rat hepatocytes cultured in medium 199 for 21 h by 2.5-fold. This change is comparable to that induced in vivo by starvation for 48 h. The potential contribution of branched-chain complexes to the activity of PDH complexes in rat liver mitochondria has been determined. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0172 mL	30.086 mL	60.1721 mL
5 mM	1.2034 mL	6.0172 mL	12.0344 mL
10 mM	0.6017 mL	3.0086 mL	6.0172 mL
50 mM	0.1203 mL	0.6017 mL	1.2034 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Fatania HR, et al. Modulation of pyruvate dehydrogenase kinase activity in cultured hepatocytes by glucagon and n-octanoate. Biochem J. 1986 Feb 15;234(1):233-6.

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