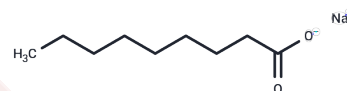


Sodium nonanoate

Chemical Properties

CAS No. :	14047-60-0
Formula:	C ₉ H ₁₇ NaO ₂
Molecular Weight:	180.22
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Sodium nonanoate is a salt-like compound primarily employed as a surfactant or emulsifier across diverse industrial applications, including detergent, soap, and personal care product manufacturing. Additionally, Sodium nonanoate functions as an intermediate in the synthesis of various organic compounds, such as pharmaceuticals and agrochemicals. Sodium nonanoate's distinctive chemical properties render it a critical component in multiple industrial processes, particularly in textile and paper product fabrication.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 80 mg/mL (443.9 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5488 mL	27.7439 mL	55.4877 mL
5 mM	1.1098 mL	5.5488 mL	11.0975 mL
10 mM	0.5549 mL	2.7744 mL	5.5488 mL
50 mM	0.111 mL	0.5549 mL	1.1098 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

Lemos AA, Chapana AL, Lujan CE, Botella MB, Oviedo MN, Wuilloud RG. Eco-friendly solvents in liquid-liquid microextraction techniques for biological and environmental analysis: a critical review. *Anal Bioanal Chem.* 2025 Mar;417(7):1239-1259.

Guo JM, et al. Ionotropic Receptor IR75q.2 Mediates Avoidance Reaction to Nonanoic Acid in the Fall Armyworm *Spodoptera frugiperda* (Lepidoptera, Noctuidae). *J Agric Food Chem.* 2023 Dec 27;71(51):20602-20612.

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