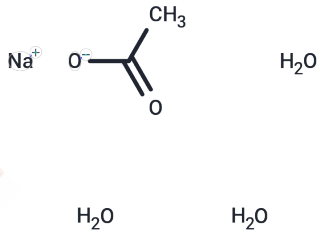
Data Sheet (Cat.No.TSH-00234)

TargetMol

Sodium acetate trihydrate

Chemical Properties



CAS No. : 6131-90-4

Formula: C2H9NaO5

Molecular Weight: 136.08

Storage: Store at RT
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Sodium acetate trihydrate is a phase-change energy storage material that releases heat when forming crystals. It can also be used to prepare buffer solutions with a pH of 3.6-5.6 to maintain a stable pH environment, and is widely applied in biochemical and cell biology experiments.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.3486 mL	36.7431 mL	73.4862 mL
5 mM	1.4697 mL	7.3486 mL	14.6972 mL
10 mM	0.7349 mL	3.6743 mL	7.3486 mL
50 mM	0.147 mL	0.7349 mL	1.4697 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

Wang Y, et al. Preparation and thermal properties of sodium acetate trihydrate as a novel phase change material for energy storage. Energy, 2019, 167: 269-274.

Wang G, et al. Review on sodium acetate trihydrate in flexible thermal energy storages: Properties, challenges and applications. Journal of Energy Storage, 2021, 40: 102780.

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