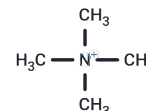
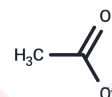


Tetramethylammonium acetate

Chemical Properties

CAS No. :	10581-12-1
Formula:	C ₆ H ₁₅ NO ₂
Molecular Weight:	133.19
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Tetramethylammonium acetate is an organic compound frequently utilized as a phase-transfer catalyst in organic synthesis reactions, particularly when charged substances or polar reagents are involved. By forming stable ion pairs, it facilitates the transfer of reactants between two immiscible phases (e.g., water and organic solvents). Additionally, Tetramethylammonium acetate is employed in the synthesis of various organic compounds, such as esters, amides, and carboxylic acids. Due to its unique physicochemical properties, it has also been explored for potential applications in developing new materials, including ionic liquids and liquid crystals. The symbol "x" in the formula denotes the number of water molecules in the crystal structure, which can vary depending on the preparation method.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.5081 mL	37.5404 mL	75.0807 mL
5 mM	1.5016 mL	7.5081 mL	15.0161 mL
10 mM	0.7508 mL	3.754 mL	7.5081 mL
50 mM	0.1502 mL	0.7508 mL	1.5016 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.

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