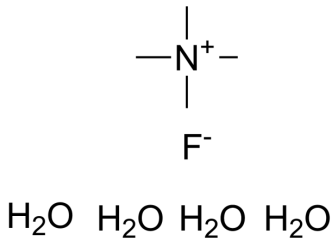
Tetramethylammonium fluoride tetrahydrate

Cat. No.:	HY-W095635
CAS No.:	17787-40-5
Molecular Formula:	$C_4H_{22}FNO_5$
Molecular Weight:	183.22
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Pure form -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	Tetramethylammonium fluoride tetrahydrate (TMAF) is a quaternary ammonium salt. TMAF is commonly used as a weak base and a source of fluoride ions in various organic reactions, including nucleophilic substitution, functional group deprotection, and ring-opening polymerization. Unlike other fluoride sources, TMAF is compatible with many functional groups, making it a versatile tool in synthetic chemistry. Functional reagents, In addition, TMAF has been used as a fluorinating agent in medicinal chemistry, for the preparation of radiotracers and protein modification in biochemistry, and the tetrahydrate form of TMAF is more stable and easier to handle than the anhydrous form.
In Vitro	Tetramethylammonium fluoride tetrahydrate 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.

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