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Product Data Sheet

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Trifluoromethanesulfonic acid silver

Cat. No.: CAS No.: Molecular Formula: Molecular Weight:	HY-W020983 2923-28-6 CAgF ₃ O ₃ S 256.94	$F \xrightarrow{F} O = S = O^{-}$ $F O^{-}$
Pathway:	Others	
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)	Ag ⁺

SOLVENT & SOLUBILITY

	Mass Solvent Concentration	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.8920 mL	19.4598 mL	38.9196 mL
	5 mM	0.7784 mL	3.8920 mL	7.7839 mL
	10 mM	0.3892 mL	1.9460 mL	3.8920 mL

DIDEOGICAL ACTIVITY			
Description	Silver(I) trifluoromethanesulfonate is a biochemical reagent that can be used as a biological material or organic compound for life science related research.		
In Vitro	Silver trifluoromethanesulfonate is useful in halide abstraction. It helps in activating sulfur protecting groups at the anomeric centers of carbohydrates in the presence of iodine. It is employed as a triflating agent in combination with Palladium compounds, as a catalyst st for cross coupling reactions, and in several organic transformation reactions. Polyurethanes prepared from silver triflate exhibit high permeability and selectivity towards olefins in their separation from paraffin mixtures. Polyethylene oxide-silver triflate composites find application in humidity sensors. MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

Caution: Product has not been fully validated for medical applications. For research use only.

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