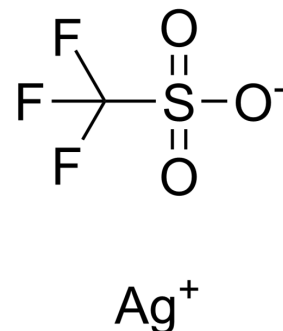


Trifluoromethanesulfonic acid silver

Cat. No.:	HY-W020983
CAS No.:	2923-28-6
Molecular Formula:	C _{Ag} F ₃ O ₃ S
Molecular Weight:	256.94
Target:	Biochemical Assay Reagents
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)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (389.20 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL 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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