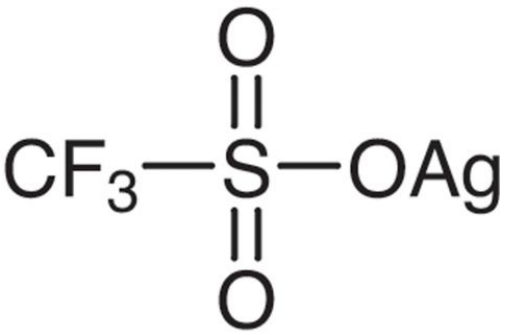
Product Data Sheet

Product Name: Silver trifluoromethanesulfonate
Cat. No.: GD20856

Chemical Properties

Cas. No.	2923-28-6		
Formula	CAgF3O3S	M.Wt	256.937
Solubility	H_2O : 100 mg/mL (389.20 mM; Need ultrasonic)	Storage	protect from light argon filling away from moisture
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

Silver(I) trifluoromethanesulfonate is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

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

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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.

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