

Product Data Sheet

Product Name: Silver trifluoromethanesulfonate

Cat. No.: GD20856

Chemical Properties

Cas. No. 2923-28-6

Formula CAgF₃O₃S

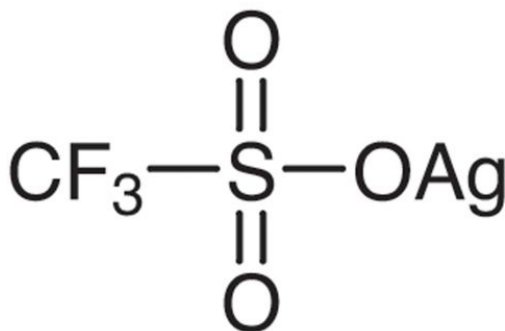
M.Wt 256.937

Solubility H₂O : 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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Address: 10292 Central Ave. #205, Montclair, CA, USA

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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 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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