

# Silver


TRIFLUOROMETHANESULFONATE POWDER

## Quick FACTS

- ✓ Product : Silver Trifluoromethanesulfonate Powder
- ✓ Color : White/off-white Powder
- ✓ Stock No : NS6130-12-000953
- ✓ CAS : 2923-28-6
- ✓ Purity : 99.9%
- ✓ APS : 40-60µm
- ✓ Other Metal : 850ppm

Silver trifluoromethanesulfonate, or silver triflate is the triflate ( $\text{CF}_3\text{SO}_3^-$ ) salt of  $\text{Ag}^+$ . It is a white or colorless solid that is soluble in water and some organic solvents including, benzene. It is a reagent used in the synthesis of organic and inorganic triflates. Silver trifluoromethanesulfonate is useful in halide abstraction. It helps in activating sulphur protecting groups at the anomeric centres 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.



 ISO 9001:2015  
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ISO: 13485:2016/20ZICE4588M  
CE: 20ZICE4589C

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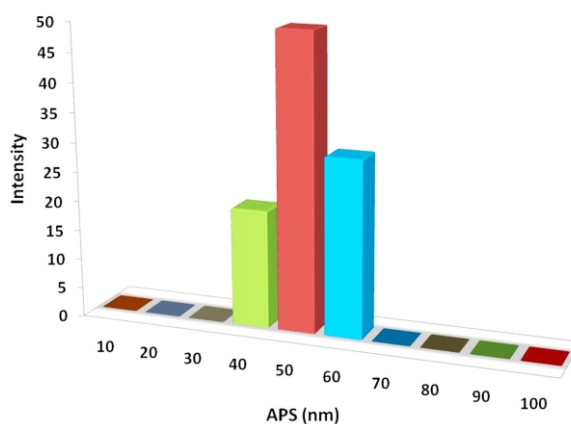
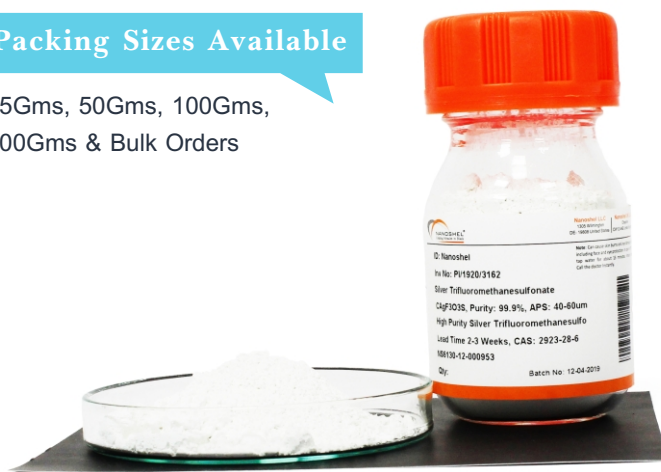
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## Applications

- ✓ Trifluoromethanesulfonate is a weakly coordinating anion.
- ✓ silver trifluoromethanesulfonate is useful as a halide abstraction reagent.

## Packing Sizes Available

25Gms, 50Gms, 100Gms,  
500Gms & Bulk Orders



## Technical SPECIFICATION

Molecular Formula	Molecular Weight	Melting Point
CF <sub>3</sub> SO <sub>3</sub> Ag	256.94g/mol	286 °C

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