

## SPECIFICATION

### Trifluoromethanesulfonic Anhydride

Parameters	Specification
CAS Number	358-23-6
Appearance	Colorless liquid
Molecular Formula	C <sub>2</sub> F <sub>6</sub> O <sub>5</sub> S <sub>2</sub>
Molecular Weight	282.14 g/mol
Boiling Point	82 °C
Melting Point	-60 °C
Flash Point	80 °C
Purity	98–99%
Refractive Index	1.42
Solubility	Reactive with water; soluble in organic solvents such as dichloromethane and toluene; not soluble in water.
Uses	Activation of alcohols to form triflate esters; reagent for sulfonylation; used to generate electrophilic triflate reagents in organic synthesis.



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