



>>Entry Name: Silver(1+) sulfite (Ag_2SO_3)

CAS Registry Number: 13465-98-0

Ag_2SO_3

Molecular Formula: $\text{Ag}_2\text{O}_3\text{S}$

Molecular Weight: 295.801

Accurate Mass: 293.766999

Percentage Composition: Ag 72.93%; O 16.23%; S 10.84%

Source/Synthesis: Prepd. from Na_2SO_3 or SO_2 + AgNO_3 soln.

Use/Importance: Commercially available

Physical Description: White cryst. Unstable to light and heat

Solubility: Spar. sol. H_2O

References:

Brauer, G., *Handb. Prep. Inorg. Chem.*, 2nd edn., Academic Press, 1965, **2**, 1043, (*synth*)

Larsson, L.O., *Acta Chem. Scand.*, 1969, **23**, 2261, (*cryst struct*)

Nyberg, B. *et al.*, *Acta Chem. Scand.*, 1973, **27**, 63, (*ir*)