



>>Entry Name: Silver hexafluoroantimonate(V)

Synonym(s): Hexafluoroantimonate(1-) silver salt

CAS Registry Number: 26042-64-8

Related CAS Registry Numbers(s): 17111-95-4

Ag[SbF₆]

Molecular Formula: AgF₆Sb

Molecular Weight: 343.609

Accurate Mass: 341.799331

Percentage Composition: Ag 31.39%; F 33.17%; Sb 35.43%

Source/Synthesis: Synth. from BrSbF₆ and AgBrF₄, or from SbF₅, AgF and HF

Use/Importance: Commercially available

Physical Description: White crystalline solid

Other Data: May exist in different struct. phases

Aldrich: 22773-0

Fluka: 85185

References:

Woolf, A.A. *et al.*, *J.C.S.*, 1949, 2865, (*synth*)

Olah, G.A. *et al.*, *J.A.C.S.*, 1962, **84**, 2733, (*synth*)

Kemmitt, R.D.W. *et al.*, *J.C.S.*, 1963, 4408, (*powder struct*)

Kidd, R.G. *et al.*, *Inorg. Chem.*, 1972, **11**, 1156, (*F-19 nmr*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1984, **11**, 467, (*use*)