



>>Entry Name: Praseodymium sulfides

Molecular Formula: [PrS]

>>Variant: Praseodymium sulfide (Pr₂S₃)

Synonym(s): Dipraseodymium trisulfide

CAS Registry Number: 12038-13-0

Physical Description: Red-brown solid (α -form, orthorhombic, obt. <700°) or orange solid (γ -form, cubic)

Melting Point: Mp 1795 dec.°

References:

Picon, M. *et al.*, *Bull. Soc. Chim. Fr.*, 1960, 221, (*struct*)

Flahaut, J. *et al.*, *Acta Cryst.*, 1965, **19**, 14, (*struct*)

Prewitt, C.D., *Inorg. Chem.*, 1968, **7**, 1090, (*synth, struct*)

Eatough, N.L. *et al.*, *Inorg. Chem.*, 1969, **8**, 2069, (*synth, struct*)

Gustova, G.N. *et al.*, *J. Struct. Chem. (Engl. Transl.)*, 1969, **10**, 516, (*ir*)

Lashkarev, G.V. *et al.*, *Izv. Akad. Nauk SSSR, Neorg. Mater.*, 1971, **7**, 874; *Inorg. Mater. (Engl. Transl.)*, 1971, **7**, 767, (*magnetism*)

Gmelin Handbook Inorg. Chem., Syst. No. 39, 1983, **C7**, 69; 206, (*rev*)