



>>Entry Name: Silicon(IV) sulfide (SiS₂), 9CI
ENTRY UNDER REVIEW

CAS Registry Number: 13759-10-9
SiS₂

Molecular Formula: S₂Si

Molecular Weight: 92.218

Accurate Mass: 91.921067

Percentage Composition: S 69.54%; Si 30.46%

Source/Synthesis: Synth. from Si + S

Use/Importance: Used in Li⁽⁺⁾ conducting glasses

Physical Description: Porous white cryst.

References:

Malatesta, L., *Gazz. Chim. Ital.*, 1948, **78**, 702, (*synth*)

Gabriel, H. *et al.*, *J.A.C.S.*, 1952, **74**, 262, (*synth*)

Schmeisser, M. *et al.*, *Angew. Chem.*, 1957, **69**, 781, (*synth*)

Peters, J. *et al.*, *Acta Cryst. B*, 1982, **38**, 1270, (*cryst struct*)

Kennedy, J.H., *Mater. Chem. Phys.*, 1989, **23**, 29, (*use, rev*)