



>>Entry Name: Silicon iodide (SiI₄)

Synonym(s): Silicon tetraiodide. Tetraiodosilane

CAS Registry Number: 13465-84-4

SiI₄

Molecular Formula: I₄Si

Molecular Weight: 535.704

Accurate Mass: 535.594819

Percentage Composition: I 94.76%; Si 5.24%

Physical Description: Colourless cubes; hydrol. by H₂O

Melting Point: Mp 120.5°

Boiling Point: Bp 287.5°

Solubility: Sol. CS₂

Aldrich: 46575-5

References:

Haschke, J.M., *Inorg. Chem.*, 1976, **15**, 508, (*cryst struct*)

Andrews, S.P. *et al.*, *J. Chem. Res., Synop.*, 1978, 94, (*ir*)

Kihara, T., *Acta Cryst. A*, 1981, **37**, 46, (*cryst struct*)

Olah, G.A. *et al.*, *Organometallics*, 1982, **1**, 1485, (*Si-29 nmr*)