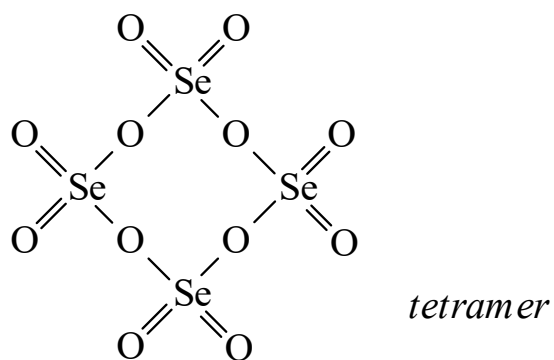




>>Entry Name: Selenium trioxide

Synonym(s): Selenium oxide (SeO₃), 11Cl



CAS Registry Number: 13768-86-0

Molecular Formula: O₃Se

Molecular Weight: 126.958

Accurate Mass: 127.901265

Percentage Composition: O 37.81%; Se 62.19%

Source/Synthesis: Synth. from K₂SeO₄ + SO₃

Physical Description: White hygroscopic solid

Melting Point: Mp 165 dec.°

Boiling Point: Subl._{0.12} 1° vacuo

Solubility: Sol. org. solvs.

>>Derivative: Tetramer

Synonym(s): Tetra-μ-oxooctaoxotetraselenium

Molecular Formula: O₁₂Se₄

Molecular Weight: 507.833

Accurate Mass: 511.60506

Percentage Composition: O 37.81%; Se 62.19%

References:

Lehmann, H.A. *et al.*, *Z. Anorg. Allg. Chem.*, 1952, **267**, 324

Mijlhoff, F.C., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1965, **84**, 74, (*struct*)

Paetzold, R. *et al.*, *Z. Anorg. Allg. Chem.*, 1965, **335**, 225, (*struct*)

Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd edn., Ferdinand Enke Verlag, 1975, **1**, 421, (*synth*)

Gmelin Handbook Inorg. Chem., Syst. No. 10, Suppl. Vol., 1981, **B1**, 159, (*bibl*)