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>>Entry Name: Tin(II) telluride (SnTe), 9CI

CAS Registry Number: 12040-02-7

SnTe

**Molecular Formula:** SnTe

**Molecular Weight:** 246.31

**Accurate Mass:** 247.808429

**Percentage Composition:** Sn 48.20%; Te 51.80%

**Source/Synthesis:** Synth. by heating the elements or from Sn(II) + Te or H<sub>2</sub>Te

**Physical Description:** Grey cryst.

**Melting Point:** Mp 780°

**Solubility:** Insol. H<sub>2</sub>O

**References:**

Montignie, E., *Bull. Soc. Chim. Fr.*, 1947, 750, (*synth*)

Rundle, R.E. *et al.*, *Inorg. Chem.*, 1964, **3**, 596, (*cryst struct*)

Panson, A.J., *Inorg. Chem.*, 1964, **3**, 940, (*synth*)

Colin, R. *et al.*, *Trans. Faraday Soc.*, 1964, **60**, 673, (*ms, thermodynamics*)

Fano, V. *et al.*, *J. Chem. Phys.*, 1974, **61**, 5017, (*Mössbauer*)

Karagiozov, L. *et al.*, *Cryst. Res. Technol.*, 1984, **19**, 447, (*synth*)