



>>Entry Name: Scandium sulfides

Related CAS Registry Numbers(s): 53096-23-4

Molecular Formula: [SSc]

>>Variant: Scandium sulfide (Sc₂S₃)

Synonym(s): Discandium trisulfide

CAS Registry Number: 12166-29-9

Molecular Formula: S₃Sc₂

Molecular Weight: 186.11

Accurate Mass: 185.828038

Percentage Composition: S 51.69%; Sc 48.31%

Use/Importance: Semiconductor

Physical Description: Yellow cryst.

Other Data: Non-stoichiometric black form also reported, metallic conductor

References:

Dismukes, J.P. *et al.*, *Inorg. Chem.*, 1964, **3**, 1220; 1965, **4**, 970, (*synth, struct*)

Brozek, V. *et al.*, *Bull. Soc. Chim. Fr.*, 1974, 1740