



>>Entry Name: Zinc thiocyanate

Synonym(s): Thiocyanic acid, zinc salt. Bis(thiocyanato)zinc

CAS Registry Number: 557-42-6

$\text{Zn}(\text{NCS})_2$

Molecular Formula: $\text{C}_2\text{N}_2\text{S}_2\text{Zn}$

Molecular Weight: 181.557

Accurate Mass: 179.879433

Percentage Composition: C 13.23%; N 15.43%; S 35.32%; Zn 36.02%

Physical Description: Cryst.

Other Data: Thermal dec. to ZnS

References:

Spacu, G. *et al.*, *Z. Anorg. Allg. Chem.*, 1936, **227**, 129

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Golub, A.M. *et al.*, *Zh. Neorg. Khim.*, 1958, **3**, 333, (*synth*)

Flint, C.D. *et al.*, *J.C.S.(A)*, 1970, 442, (*synth, ir*)

Aslanov, L.A. *et al.*, *Kristallografiya*, 1976, **21**, 1198, (*cryst struct*)

Zurano Hernandez, G. *et al.*, *An. Quim.*, 1977, **73**, 820, (*cryst struct*)

Persson, I. *et al.*, *Acta Chem. Scand., Ser. A*, 1981, **35**, 295, (*Raman*)