



>>Entry Name: Bis(*N,N*-dibutyldithiocarbamato)zinc(*II*)

Synonym(s): Bis(dibutylcarbamodithioato-*S,S'*)zinc, 9CI. Zinc(*II*) dibutyldithiocarbamate

CAS Registry Number: 136-23-2

$\text{Zn}[\text{S}_2\text{CN}(\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3)_2]_2$

Molecular Formula: $\text{C}_{18}\text{H}_{36}\text{N}_2\text{S}_4\text{Zn}$

Molecular Weight: 474.15

Accurate Mass: 472.105273

Percentage Composition: C 45.60%; H 7.65%; N 5.91%; S 27.05%; Zn 13.79%

Source/Synthesis: Synth. from $\text{Bu}_2\text{NCSSNa} + \text{ZnCl}_2$

Use/Importance: Antioxidant. Vulcanisation agent

Physical Description: Cryst.

Melting Point: Mp 137.5-138°

References:

Gaal, H.L.H. *et al.*, *Inorg. Chem.*, 1979, **18**, 3251-3260, (*cmr*)

Kellner, R. *et al.*, *J. Inorg. Nucl. Chem.*, 1981, **43**, 1183-1188, (*synth, ir*)

Oktavec, D. *et al.*, *Coll. Czech. Chem. Comm.*, 1982, **47**, 2867-2875, (*synth, uv*)

Riekkola, M.L., *Acta Chem. Scand., Ser. A*, 1983, **37**, 691-696, (*ms*)