

Tris(di-n-butylidithiocarbamato)bismuth(III)

Inchi:	InChI=1S/3C9H19NS2.Bi/c3*1-3-5-7-10(9(11)12)8-6-4-2;/h3*3-8H2,1-2H3,(H,11,12);/q;;;
InchiKey:	WVBGHELXKIMZDI-UHFFFAOYSA-K
Formula:	C ₂₇ H ₅₄ BiN ₃ S ₆
SMILES:	CCCCN(CCCC)C(=S)[S-].CCCCN(CCCC)C(=S)[S-].CCCCN(CCCC)C(=S)[S-].[BiH6+3]
Mol. weight [g/mol]:	822.11
CAS:	34410-99-6

Physical Properties

Property code	Value	Unit	Source
hsub	202.00 ± 3.00	kJ/mol	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	1056.00	J/mol×K	298.15	NIST Webbook
hfust	31.80	kJ/mol	367.00	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C34410996&Units=SI>

Legend

cps:	Solid phase heat capacity
hfust:	Enthalpy of fusion at a given temperature
hsub:	Enthalpy of sublimation at standard conditions

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