bis(diethyldithiocarbamato-S,S')nickel

Other names:	Nickel diethyldithiocarbamate
	bis(diethyldithiocarbamato-S,S')nickel
Inchi:	InChI=1S/2C5H11NS2.Ni/c2*1-3-6(4-2)5(7)8;/h2*3-4H2,1-2H3,(H,7,8);/q;;+2/p-2
InchiKey:	NCLUCMXMAPDFGT-UHFFFAOYSA-L
Formula:	C10H20N2NiS4
SMILES:	CCN(CC)C(=S)[S][Ni][S]C(=S)N(CC)CC
Mol. weight [g/mol]:	355.23
CAS:	14267-17-5

Physical Properties

Property code	Value	Unit	Source
hf	89.76	kJ/mol	Cheméo Relay (1.0)
log10ws	-5.10		Cheméo Relay (1.0)
tf	350.53	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	157.30 ± 6.00	kJ/mol	463.00	NIST Webbook
hsubt	152.00 ± 0.80	kJ/mol	459.00	NIST Webbook
hsubt	99.00 ± 6.00	kJ/mol	578.50	NIST Webbook
hsubt	92.00 ± 6.00	kJ/mol	493.00	NIST Webbook

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C14267175&Units=SI

Cheméo Relay (1.0):

Legend

hf:	Enthalpy of formation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l
tf:	Normal melting (fusion) point