Nickel, [[2,2'-[1,2-ethanediylbis(nitrilomethylidyne)]bis[ph (SP-4-2)-

Other names:	Nickel, [[«alpha»,«alpha»'-(ethylenedinitrilo)di-o-cresolato](2-)]-
	Bis(salicylaldehyde)ethylenediiminatonickel
	N,N'-Ethylenebis(salicylideniminato)nickel
	Nickel, [N,N'-ethylenebis(salicylaldiminato)]-
	Nickel,[[2,2'-[1,2-ethanediylbis(nitrilomethylidyne)]bis[phenolato]](2-)-N,N',O,O']-
Inchi:	InChI=1S/C16H16N2O2.Ni/c19-15-7-3-1-5-13(15)11-17-9-10-18-12-14-6-2-4-8-16(14)20
InchiKey:	DKBSGGSJQXGHBV-UHFFFAOYSA-L
Formula:	C16H14N2NiO2
SMILES:	[Ni].[O-]c1ccccc1C=NCCN=Cc1ccccc1[O-]
Mol. weight [g/mol]:	324.99
CAS:	14167-20-5

Physical Properties

Property code	Value	Unit	Source
ea	1.06 ± 0.10	eV	NIST Webbook
ie	7.57 ± 0.09	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	149.80 ± 7.00	kJ/mol	502.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C14167205&Units=SI

Legend

ea:	Electron affinity
hsubt:	Enthalpy of sublimation at a given temperature
ie:	Ionization energy

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