1,2-Dicarbadodecaborane(12), 1-hexyl-

Other names:	Dicarbadodecaborane(12), hexyl-
	1-n-Hexyl carborane
	Hexyldicarbadodecaborane(12)
	NHC
	1-hexyl-1,2-dicarbadodecaborane(12)
Inchi:	InChI=1S/C8H24B10/c1-2-3-4-5-6-8-7-9(8)11(7)12(7)10(7,8)14(8)13(8,9)15(9,11)17(11,1
InchiKey:	GDUFUPZBOQTDBQ-UHFFFAOYSA-N
Formula:	C8H24B10
Mol. weight [g/mol]:	228.39
CAS:	20740-05-0

Physical Properties

Property code	Value	Unit	Source
hvap	86.20 ± 1.40	kJ/mol	NIST Webbook; Pilcher and Skinner, 1983
hvap	93.50 ± 6.00	kJ/mol	NIST Webbook; Shul'tse, Varushchenko, et al., 1980
ie	9.44	eV	NIST Webbook; Orlov, Pustobaev, et al., 1989

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	54.10 ± 2.10	kJ/mol	494.00	NIST Webbook; Shul'tse, Varushchenko, et al., 1980

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C20740050&Units=SI

Legend

hvap:	Enthalpy of vaporization at standard conditions
hvapt:	Enthalpy of vaporization at a given temperature
ie:	Ionization energy

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