

Phthalocyanine zinc

Other names:	Zinc phthalocyanine Zinc, [29H,31H-phthalocyaninato(2-)-N(29)-,N(30)-,N(31)-,N(32)-], (SP-4-1)- Zinc,[29H,31H-phthalocyaninato(2-)-N
Inchi:	InChI=1S/C32H16N8.Zn/c1-2-10-18-17(9-1)25-33-26(18)38-28-21-13-5-6-14-22(21)30(3
InchiKey:	PODBBOVVOGJETB-UHFFFAOYSA-N
Formula:	C32H16N8Zn
SMILES:	[Zn].c1ccc2c(c1)-c1nc-2nc2[n-]c(nc3nc([n-]c4nc(n1)-c1cccc1-4)-c1cccc1-3)c1cccc21
Mol. weight [g/mol]:	577.90
CAS:	14320-04-8

Physical Properties

Property code	Value	Unit	Source
ie	7.37 ± 0.10	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	56.50 ± 0.40	kJ/mol	684.50	NIST Webbook
hvapt	48.10 ± 1.80	kJ/mol	686.50	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14320048&Units=SI>

Legend

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

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