Zinc, diphenyl-

Other names: Zinc, diphenyl-
Inchi: InChI=1S/2C6H5.Zn/c2*1-2-4-6-5-3-1;/h2*1-5H;
InchiKey: MKRVHLWAVKJBFN-UHFFFAOYSA-N
Formula: C12H10Zn
SMILES: c1cc[c]([Zn][c]2ccccc2)cc1
Mol. weight [g/mol]: 219.60

Physical Properties

Property code	Value	Unit	Source
af	0.3345		Cheméo Relay (1.0)
gf	275.93	kJ/mol	Cheméo Relay (1.0, beta)
hf	283.29	kJ/mol	Cheméo Relay (1.0)
hvap	62.38	kJ/mol	Cheméo Relay (1.0)
ie	8.09	eV	Cheméo Relay (1.0)
log10ws	-4.59		Cheméo Relay (1.0)
pc	3458.96	kPa	Cheméo Relay (1.0, beta)
tb	571.74	K	Cheméo Relay (1.0)
tc	800.09	K	Cheméo Relay (1.0)
tf	366.49	K	Cheméo Relay (1.0)
vc	0.539	m3/kmol	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1078586&Units=SI
Cheméo Relay (1.0):

Legend

af: Acentric Factor
gf: Standard Gibbs free energy of formation

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume