BENZYL(CHLORO)MERCURY

Other names: Mercury, chloro(phenylmethyl)-
Inchi: InChI=1S/C7H7.ClH.Hg/c1-7-5-3-2-4-6-7;;/h2-6H,1H2;1H;/q;;+1/p-1
InchiKey: VLGACEINHFQTIJ-UHFFFAOYSA-M
Formula: C7H7ClHg
SMILES: [Cl][Hg][CH2]c1ccccc1
Mol. weight [g/mol]: 327.18

Physical Properties

Property code	Value	Unit	Source
af	0.3618		Cheméo Relay (1.0)
gf	201.16	kJ/mol	Cheméo Relay (1.0, beta)
hf	260.27	kJ/mol	Cheméo Relay (1.0)
hvap	55.18	kJ/mol	Cheméo Relay (1.0)
ie	8.71 ± 0.05	eV	NIST Webbook
ie	8.65	eV	NIST Webbook
log10ws	-2.60		Cheméo Relay (1.0)
pc	3237.97	kPa	Cheméo Relay (1.0, beta)
tb	504.29	K	Cheméo Relay (1.0)
tc	775.16	K	Cheméo Relay (1.0)
tf	306.10	K	Cheméo Relay (1.0)
vc	0.410	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2117397&Units=SI
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):

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