Benzyldimethylsilane

Inchi: InChI=1S/C9H14Si/c1-10(2)8-9-6-4-3-5-7-9/h3-7,10H,8H2,1-2H3
InchiKey: USQQZWZBVGCDBX-UHFFFAOYSA-N
Formula: C9H14Si
SMILES: C[SiH](C)Cc1ccccc1
Mol. weight [g/mol]: 150.30

Physical Properties

Property code	Value	Unit	Source
af	0.3478		Cheméo Relay (1.0)
gf	130.93	kJ/mol	Cheméo Relay (1.0, beta)
hf	-111.84	kJ/mol	Cheméo Relay (1.0)
hvap	45.74	kJ/mol	Cheméo Relay (1.0)
ie	8.55	eV	Cheméo Relay (1.0)
log10ws	-3.02		Cheméo Relay (1.0)
logp	2.255		Crippen Method
pc	2603.41	kPa	Cheméo Relay (1.0, beta)
tb	457.55	K	Cheméo Relay (1.0)
tc	641.20	K	Cheméo Relay (1.0)
tf	204.83	K	Cheméo Relay (1.0)
vc	0.502	m3/kmol	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1631705&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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
logp:	Octanol/Water partition coefficient
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume