TRIMETHYL(PHENYLTHIOMETHYL)SILANE

Other names: (Phenylthiomethyl)trimethylsilane
Trimethyl(phenylthio)methylsilane
Inchi: InChI=1S/C10H16SSi/c1-12(2,3)9-11-10-7-5-4-6-8-10/h4-8H,9H2,1-3H3
InchiKey: UOQDIMYVQSHALM-UHFFFAOYSA-N
Formula: C10H16SSi
SMILES: C[Si](C)(C)CSc1ccccc1
Mol. weight [g/mol]: 196.39

Physical Properties

Property code	Value	Unit	Source
hf	-74.99	kJ/mol	Cheméo Relay (1.0)
hvap	60.59	kJ/mol	Cheméo Relay (1.0)
ie	7.81 ± 0.05	eV	NIST Webbook
log10ws	-4.40		Cheméo Relay (1.0)
logp	3.656		Crippen Method
pc	2263.40	kPa	Cheméo Relay (1.0, beta)
tb	520.51	K	Cheméo Relay (1.0)

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C17873084&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):

Legend

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