DISILANE, 1,1,2,2-TETRAMETHYL-1,2-DIPHENYL-

Other names: Disilane,1,1,2,2-tetramethyl-1,2-diphenyl-
Inchi: InChI=1S/C16H22Si2/c1-17(2,15-11-7-5-8-12-15)18(3,4)16-13-9-6-10-14-16/h5-14H,1-4
InchiKey: IIOOIYHUTINYQO-UHFFFAOYSA-N
Formula: C16H22Si2
SMILES: C[Si](C)(c1ccccc1)[Si](C)(C)c1ccccc1
Mol. weight [g/mol]: 270.52

Physical Properties

Property code	Value	Unit	Source
hvap	74.95	kJ/mol	Cheméo Relay (1.0)
ie	7.70	eV	NIST Webbook
ie	8.11 ± 0.15	eV	NIST Webbook
ie	8.23	eV	NIST Webbook
logp	3.296		Crippen Method
tb	580.11	K	Cheméo Relay (1.0)
tf	360.19	K	Cheméo Relay (1.0)

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1145988&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvap: Enthalpy of vaporization at standard conditions
ie: Ionization energy
logp: Octanol/Water partition coefficient
tb: Normal Boiling Point Temperature

tf: Normal melting (fusion) point