SYM-TETRAMETHYL-DI-(P-TOLYL)DISILOXANE

Other names: Sym-tetramethyl-di-(p-tolyl)disiloxane
1,3-Bis(p-tolyl)-1,1,3,3-tetramethyl disiloxane
Inchi: InChI=1S/C18H26OSi2/c1-15-7-11-17(12-8-15)20(3,4)19-21(5,6)18-13-9-16(2)10-14-18/
InchiKey: MEQYEVSZYLVDNX-UHFFFAOYSA-N
Formula: C18H26OSi2
SMILES: Cc1ccc([Si](C)(C)O[Si](C)(C)c2ccc(C)cc2)cc1
Mol. weight [g/mol]: 314.58

Physical Properties

Property code	Value	Unit	Source
af	0.5825		Cheméo Relay (1.0)
gf	176.37	kJ/mol	Cheméo Relay (1.0, beta)
hf	-266.42	kJ/mol	Cheméo Relay (1.0)
hvap	85.21	kJ/mol	Cheméo Relay (1.0)
ie	8.45	eV	Cheméo Relay (1.0)
log10ws	-4.17		Cheméo Relay (1.0)
logp	3.844		Crippen Method
pc	1367.60	kPa	Cheméo Relay (1.0, beta)
tb	578.23	K	Cheméo Relay (1.0)
tc	824.93	K	Cheméo Relay (1.0)
tf	268.52	K	Cheméo Relay (1.0)
vc	1.018	m3/kmol	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C18055704&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):

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