bis(Hexyloxy)(dimethyl)silane

Other names: bis(Hexyloxy)(dimethyl)silane
Dihexyloxydimethylsilane
Inchi: InChI=1S/C14H32O2Si/c1-5-7-9-11-13-15-17(3,4)16-14-12-10-8-6-2/h5-14H2,1-4H3
InchiKey: AIBXROJFINODCQ-UHFFFAOYSA-N
Formula: C14H32O2Si
SMILES: CCCCCCO[Si](C)(C)OCCCCCC
Mol. weight [g/mol]: 260.49

Physical Properties

Property code	Value	Unit	Source
af	0.7000		Cheméo Relay (1.0)
gf	-150.90	kJ/mol	Cheméo Relay (1.0, beta)
hf	-746.98	kJ/mol	Cheméo Relay (1.0)
hvap	60.21	kJ/mol	Cheméo Relay (1.0)
ie	9.93	eV	Cheméo Relay (1.0)
log10ws	-4.71		Cheméo Relay (1.0)
logp	4.882		Crippen Method
pc	1405.62	kPa	Cheméo Relay (1.0, beta)
rinpol	1487.00		NIST Webbook
rinpol	1459.60		NIST Webbook
rinpol	1458.70		NIST Webbook
rinpol	1487.00		NIST Webbook
tb	520.46	K	Cheméo Relay (1.0)
tc	665.83	K	Cheméo Relay (1.0)
tf	214.68	K	Cheméo Relay (1.0)
vc	0.959	m3/kmol	Cheméo Relay (1.0)

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C17957663&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

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume