Silane, dimethyldi(2-methoxyethoxy)-

Other names: Silane, dimethyldi(2-methoxyethoxy)-
6,6-dimethyl-2,5,7,10-tetraoxa-6-silaundecane
Inchi: InChI=1S/C8H20O4Si/c1-9-5-7-11-13(3,4)12-8-6-10-2/h5-8H2,1-4H3
InchiKey: OVZRXWSZIKLJRC-UHFFFAOYSA-N
Formula: C8H20O4Si
SMILES: COCCO[Si](C)(C)OCCOC
Mol. weight [g/mol]: 208.33

Physical Properties

Property code	Value	Unit	Source
af	0.5659		Cheméo Relay (1.0)
hf	-846.39	kJ/mol	Cheméo Relay (1.0)
hvap	50.82	kJ/mol	Cheméo Relay (1.0)
ie	9.69	eV	Cheméo Relay (1.0)
log10ws	-0.14		Cheméo Relay (1.0)
logp	1.014		Crippen Method
pc	1977.97	kPa	Cheméo Relay (1.0, beta)
rinpol	1160.00		NIST Webbook
rinpol	1156.00		NIST Webbook
rinpol	1160.00		NIST Webbook
tb	475.20	K	Cheméo Relay (1.0)
tc	616.04	K	Cheméo Relay (1.0)
tf	206.47	K	Cheméo Relay (1.0)
vc	0.652	m3/kmol	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C18236232&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
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