Silane, methoxy, tripentyloxy

Inchi: InChI=1S/C16H36O4Si/c1-5-8-11-14-18-21(17-4,19-15-12-9-6-2)20-16-13-10-7-3/h5-16H
InchiKey: PKWNWHSONVFEON-UHFFFAOYSA-N
Formula: C16H36O4Si
SMILES: CCCCCO[Si](OC)(OCCCCC)OCCCCC
Mol. weight [g/mol]: 320.55

Physical Properties

Property code	Value	Unit	Source
af	0.8273		Cheméo Relay (1.0)
hf	-1108.67	kJ/mol	Cheméo Relay (1.0)
hvap	57.22	kJ/mol	Cheméo Relay (1.0)
ie	10.07	eV	Cheméo Relay (1.0)
logp	4.689		Crippen Method
pc	1335.89	kPa	Cheméo Relay (1.0, beta)
rinpol	1576.00		NIST Webbook
rinpol	1574.00		NIST Webbook
rinpol	1576.00		NIST Webbook
tb	545.33	K	Cheméo Relay (1.0)
tc	704.11	K	Cheméo Relay (1.0)
tf	199.48	K	Cheméo Relay (1.0)
vc	1.103	m3/kmol	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R138577&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
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