PENTADECANOIC ACID, GLYCERINE-(1)-MONOESTER, BIS-O-TRIMETHYLSILYL-

Other names: Pentadecanoic acid, 2,3-bis(OTMS) propyl ester («alpha»-glyceryl pentadecanoate)

Inchi: InChI=1S/C24H52O4Si2/c1-8-9-10-11-12-13-14-15-16-17-18-19-20-24(25)26-21-23(28-3

InchiKey: AWUAAGCXXVVRDX-UHFFFAOYSA-N

Formula: C24H52O4Si2

SMILES: CCCCCCCCCCCCCCC(=O)OCC(CO[Si](C)(C)C)O[Si](C)(C)C

Mol. weight [g/mol]: 460.85

Physical Properties

Property code	Value	Unit	Source
hf	-1302.22	kJ/mol	Cheméo Relay (1.0)
hvap	102.03	kJ/mol	Cheméo Relay (1.0)
log10ws	-5.94		Cheméo Relay (1.0)
logp	7.692		Crippen Method
pc	211.19	kPa	Cheméo Relay (1.0, beta)
rinpol	2518.00		NIST Webbook
rinpol	2512.00		NIST Webbook
rinpol	2518.00		NIST Webbook
tb	635.25	K	Cheméo Relay (1.0)
tc	785.73	K	Cheméo Relay (1.0)
tf	271.06	K	Cheméo Relay (1.0)

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U153631&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

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
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