UNDECENOIC ACID, TRIMETHYLSILYL ESTER

Other names: 10-Undecenoic acid, tms derivative
Trimethylsilyl 10-undecenoate
Inchi: InChI=1S/C14H28O2Si/c1-5-6-7-8-9-10-11-12-13-14(15)16-17(2,3)4/h5H,1,6-13H2,2-4H
InchiKey: VMXRWOBZWPBJEY-UHFFFAOYSA-N
Formula: C14H28O2Si
SMILES: C=CCCCCCCCCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]: 256.46

Physical Properties

Property code	Value	Unit	Source
hf	-669.92	kJ/mol	Cheméo Relay (1.0)
hvap	72.07	kJ/mol	Cheméo Relay (1.0)
ie	9.66	eV	Cheméo Relay (1.0)
log10ws	-4.32		Cheméo Relay (1.0)
logp	4.671		Crippen Method
rinpol	1542.20		NIST Webbook
tb	531.84	K	Cheméo Relay (1.0)
tf	246.13	K	Cheméo Relay (1.0)

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C24338098&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

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point