1-triethylsilyloxyundecane

Other names: 1-Undecanol, triethylsilyl ether
Inchi: InChI=1S/C17H38OSi/c1-5-9-10-11-12-13-14-15-16-17-18-19(6-2,7-3)8-4/h5-17H2,1-4H
InchiKey: IBAFUYKHGTVZKL-UHFFFAOYSA-N
Formula: C17H38OSi
SMILES: CCCCCCCCCCCO[Si](CC)(CC)CC
Mol. weight [g/mol]: 286.58

Physical Properties

Property code	Value	Unit	Source
af	0.7418		Cheméo Relay (1.0)
gf	-21.11	kJ/mol	Cheméo Relay (1.0, beta)
hf	-580.33	kJ/mol	Cheméo Relay (1.0)
hvap	72.84	kJ/mol	Cheméo Relay (1.0)
ie	9.16	eV	Cheméo Relay (1.0)
log10ws	-5.54		Cheméo Relay (1.0)
logp	6.539		Crippen Method
pc	1386.92	kPa	Cheméo Relay (1.0, beta)
rinpol	1890.00		NIST Webbook
rinpol	1890.00		NIST Webbook
tb	565.14	K	Cheméo Relay (1.0)
tc	739.59	K	Cheméo Relay (1.0)
tf	241.14	K	Cheméo Relay (1.0)
vc	1.039	m3/kmol	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C259683517&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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