Silane, tripropyloxy-, butyloxy-

Other names: Silane, tripropyloxy-, butyloxy-
Inchi: InChI=1S/C13H30O4Si/c1-5-9-13-17-18(14-10-6-2,15-11-7-3)16-12-8-4/h5-13H2,1-4H3
InchiKey: PNFOEDYLYMYNPJ-UHFFFAOYSA-N
Formula: C13H30O4Si
SMILES: CCCCO[Si](OCCC)(OCCC)OCCC
Mol. weight [g/mol]: 278.46

Physical Properties

Property code	Value	Unit	Source
af	0.7205		Cheméo Relay (1.0)
gf	-355.46	kJ/mol	Cheméo Relay (1.0, beta)
hf	-1040.53	kJ/mol	Cheméo Relay (1.0)
hvap	48.47	kJ/mol	Cheméo Relay (1.0)
ie	10.00	eV	Cheméo Relay (1.0)
log10ws	-3.46		Cheméo Relay (1.0)
logp	3.519		Crippen Method
pc	1543.65	kPa	Cheméo Relay (1.0, beta)
rinpol	1247.00		NIST Webbook
rinpol	1247.00		NIST Webbook
rinpol	1243.00		NIST Webbook
tb	495.78	K	Cheméo Relay (1.0)
tc	654.81	K	Cheméo Relay (1.0)
tf	149.42	K	Cheméo Relay (1.0)
vc	0.935	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=C55683120&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