Silane, diethylbutoxypentyloxy-

Inchi: InChI=1S/C13H30O2Si/c1-5-9-11-13-15-16(7-3,8-4)14-12-10-6-2/h5-13H2,1-4H3
InchiKey: XFYIATYMLGFRIT-UHFFFAOYSA-N
Formula: C13H30O2Si
SMILES: CCCCCO[Si](CC)(CC)OCCCC
Mol. weight [g/mol]: 246.46

Physical Properties

Property code	Value	Unit	Source
af	0.6445		Cheméo Relay (1.0)
gf	-168.97	kJ/mol	Cheméo Relay (1.0, beta)
hf	-678.15	kJ/mol	Cheméo Relay (1.0)
hvap	59.33	kJ/mol	Cheméo Relay (1.0)
ie	9.28	eV	Cheméo Relay (1.0)
log10ws	-3.50		Cheméo Relay (1.0)
logp	4.492		Crippen Method
pc	1721.50	kPa	Cheméo Relay (1.0, beta)
rinpol	1370.00		NIST Webbook
tb	508.55	K	Cheméo Relay (1.0)
tc	682.89	K	Cheméo Relay (1.0)
tf	188.59	K	Cheméo Relay (1.0)
vc	0.858	m3/kmol	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U363030&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
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

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