Silane, diethyldinonyloxy-

Inchi: InChI=1S/C22H48O2Si/c1-5-9-11-13-15-17-19-21-23-25(7-3,8-4)24-22-20-18-16-14-12-1
InchiKey: XZYFLJAAIJHPDG-UHFFFAOYSA-N
Formula: C22H48O2Si
SMILES: CCCCCCCCCO[Si](CC)(CC)OCCCCCCCCC
Mol. weight [g/mol]: 372.70

Physical Properties

Property code	Value	Unit	Source
af	0.9620		Cheméo Relay (1.0)
gf	-93.05	kJ/mol	Cheméo Relay (1.0, beta)
hf	-855.85	kJ/mol	Cheméo Relay (1.0)
hvap	88.98	kJ/mol	Cheméo Relay (1.0)
ie	9.39	eV	Cheméo Relay (1.0)
log10ws	-7.15		Cheméo Relay (1.0)
logp	8.003		Crippen Method
pc	953.77	kPa	Cheméo Relay (1.0, beta)
rinpol	2197.00		NIST Webbook
tb	605.63	K	Cheméo Relay (1.0)
tc	777.56	K	Cheméo Relay (1.0)
tf	245.05	K	Cheméo Relay (1.0)
vc	1.366	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=U363090&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

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