Silane, diethyl(3-chlorophenoxy)isobutoxy-

Inchi: InChI=1S/C14H23ClO2Si/c1-5-18(6-2,16-11-12(3)4)17-14-9-7-8-13(15)10-14/h7-10,12H,
InchiKey: MNRNLMPYIKJEJP-UHFFFAOYSA-N
Formula: C14H23ClO2Si
SMILES: CC[Si](CC)(OCC(C)C)Oc1cccc(Cl)c1
Mol. weight [g/mol]: 286.87

Physical Properties

Property code	Value	Unit	Source
hvap	66.77	kJ/mol	Cheméo Relay (1.0)
ie	8.49	eV	Cheméo Relay (1.0)
log10ws	-4.30		Cheméo Relay (1.0)
logp	4.873		Crippen Method
rinpol	1660.00		NIST Webbook
rinpol	1660.00		NIST Webbook
tb	569.71	K	Cheméo Relay (1.0)

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U363831&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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

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