

Oxirane, 2-(1,1-dimethylethyl)-2-trimethylsilyl-

Inchi:	InChI=1S/C9H20OSi/c1-8(2,3)9(7-10-9)11(4,5)6/h7H2,1-6H3
InchiKey:	OHTNQZPJGPVPAP-UHFFFAOYSA-N
Formula:	C9H20OSi
SMILES:	CC(C)(C)C1([Si](C)(C)C)CO1
Mol. weight [g/mol]:	172.34
CAS:	114693-78-6

Physical Properties

Property code	Value	Unit	Source
ie	9.33 ± 0.05	eV	NIST Webbook
log10ws	2.25e-03		Crippen Method
logp	2.679		Crippen Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C114693786&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/57-469-9/Oxirane-2-1-1-dimethylethyl-2-trimethylsilyl.pdf>

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