

1-Dimethyl(pentafluorophenyl)silyloxycyclohexane

Other names:	Cyclohexanol DMPFPS Cyclohexanol, FP
Inchi:	InChI=1S/C14H17F5OSi/c1-21(2,20-8-6-4-3-5-7-8)14-12(18)10(16)9(15)11(17)13(14)19
InchiKey:	DCLXQYASBSMZBL-UHFFFAOYSA-N
Formula:	C14H17F5OSi
SMILES:	C[Si](C)(OC1CCCCC1)c1c(F)c(F)c(F)c(F)c1F
Mol. weight [g/mol]:	324.36
CAS:	71338-76-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.57		Crippen Method
logp	4.144		Crippen Method
rinpol	1355.00		NIST Webbook
rinpol	1355.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C71338766&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

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