

2,2-Dimethyl-1-dimethyl(pentafluorophenyl)silylox

Other names:	Neopentanol, dimethylpentafluorophenylsilyl ether
Inchi:	InChI=1S/C13H17F5OSi/c1-13(2,3)6-19-20(4,5)12-10(17)8(15)7(14)9(16)11(12)18/h6H2
InchiKey:	UTJAXHWARXYUKA-UHFFFAOYSA-N
Formula:	C13H17F5OSi
SMILES:	CC(C)(C)CO[Si](C)(C)c1c(F)c(F)c(F)c(F)c1F
Mol. weight [g/mol]:	312.35
CAS:	62394-64-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.90		Crippen Method
logp	3.857		Crippen Method
rinsol	1267.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C62394643&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/37-728-3/2-2-Dimethyl-1-dimethyl-pentafluorophenyl-silyloxypropane.pdf>

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