

t-Butylpentafluorophenylmethylchlorosilane

Other names:	Pentafluorophenyl-tert-butylmethylsilyl chloride Silane, chloro(1,1-dimethylethyl)methyl(pentafluorophenyl)- tert-Butyl-chloro-methyl-pentafluorophenyl-silane chloro(1,1-dimethylethyl)methyl(pentafluorophenyl)silane
Inchi:	InChI=1S/C11H12ClF5Si/c1-11(2,3)18(4,12)10-8(16)6(14)5(13)7(15)9(10)17/h1-4H3
InchiKey:	DHPRJMARRBZSIZ-UHFFFAOYSA-N
Formula:	C11H12ClF5Si
SMILES:	CC(C)(C)[Si](C)(Cl)c1c(F)c(F)c(F)c(F)c1F
Mol. weight [g/mol]:	302.74
CAS:	73000-03-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.37		Crippen Method
logp	4.203		Crippen Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C73000030&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/20-814-5/t-Butylpentafluorophenylmethylchlorosilane.pdf>

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