

tert-Butyldimethyl(2,2,2-trichloroethoxy)silane

Other names:	2,2,2-Trichloroethanol, tert-butyldimethylsilyl ether
Inchi:	InChI=1S/C8H17Cl3OSi/c1-7(2,3)13(4,5)12-6-8(9,10)11/h6H2,1-5H3
InchiKey:	ACUPCKXHOSYWQG-UHFFFAOYSA-N
Formula:	C8H17Cl3OSi
SMILES:	CC(C)(C)[Si](C)(C)OCC(Cl)(Cl)Cl
Mol. weight [g/mol]:	263.66
CAS:	86379-25-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.87		Crippen Method
logp	4.378		Crippen Method
rinpol	1237.90		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C86379251&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
rinpol:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/21-517-4/tert-Butyldimethyl-2-2-2-trichloroethoxy-silane.pdf>

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