

1h,1h,2h,2h-Perfluorodecyltrichlorosilane

Other names:	Silane, trichloro(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)-
Inchi:	InChI=1S/C10H4Cl3F17Si/c11-31(12,13)2-1-3(14,15)4(16,17)5(18,19)6(20,21)7(22,23)8
InchiKey:	VIFIHLXNOOCGLJ-UHFFFAOYSA-N
Formula:	C10H4Cl3F17Si
SMILES:	FC(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)CC[Si](Cl)(Cl)Cl
Mol. weight [g/mol]:	581.56
CAS:	78560-44-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.54		Crippen Method
logp	8.041		Crippen Method
tb	497.00	K	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C78560448&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature

Latest version available from:

<https://www.chemeo.com/cid/21-529-1/1h-1h-2h-2h-Perfluorodecyltrichlorosilane.pdf>

Generated by Cheméo on 2024-04-30 06:10:56.068672631 +0000 UTC m=+16746704.989249987.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.