1h,1h,2h,2h-Perfluorodecyldimethylchlorosilane

Inchi:	InChI=1S/C12H10ClF17Si/c1-31(2,13)4-3-5(14,15)6(16,17)7(18,19)8(20,21)9(22,23)10(2
InchiKey:	JHCJWHBMXWOYDE-UHFFFAOYSA-N
Formula:	C12H10ClF17Si
SMILES:	C[Si](C)(Cl)CCC(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)F
Mol. weight [g/mol]:	540.72
CAS:	74612-30-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.91		Crippen Method
logp	7.830		Crippen Method
tb	470.50 ± 0.50	K	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C74612309&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
tb:	Normal Boiling Point Temperature

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