

Hexyl-tridecafluoro

Other names:	perfluorohexyl radical
Inchi:	InChI=1S/C6F13/c7-1(8)2(9,10)3(11,12)4(13,14)5(15,16)6(17,18)19
InchiKey:	DWBFJGURQUGWBS-UHFFFAOYSA-N
Formula:	C6F13
SMILES:	F[C](F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)C(F)(F)F
Mol. weight [g/mol]:	319.04
CAS:	4520-08-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.56		Crippen Method
logp	4.518		Crippen Method
mcvol	116.260	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4520085&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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