perfluorooctyl radical

Inchi: InChI=1S/C8F17/c9-1(10)2(11,12)3(13,14)4(15,16)5(17,18)6(19,20)7(21,22)8(23,24)25
InchiKey: PVFBJQSEMOLMSF-UHFFFAOYSA-N
Formula: C8F17
SMILES: F[C](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]: 419.06
CAS: 6060-61-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.03		Crippen Method
logp	5.789		Crippen Method
mcvol	151.520	ml/mol	McGowan Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C6060613&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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