

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)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

Latest version available from:

<https://www.chemeo.com/cid/77-980-9/perfluorooctyl-radical.pdf>

Generated by Cheméo on 2025-12-24 16:45:01.123555712 +0000 UTC m=+6342898.653596374.

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