

O-Methyl-O-(1,1-difluoro-2-chloroethyl)-N-(2-ethyl

Inchi: InChI=1S/C9H19ClF2NO2PS/c1-4-8(5-2)6-13-16(17,14-3)15-9(11,12)7-10/h8H,4-7H2,1-
InchiKey: MUGBGWZCMUSKTP-UHFFFAOYSA-N
Formula: C9H19ClF2NO2PS
SMILES: CCC(CC)CNP(=S)(OC)OC(F)(F)CCI
Mol. weight [g/mol]: 309.74

Physical Properties

Property code	Value	Unit	Source
log10ws	0.07		Crippen Method
logp	3.731		Crippen Method
mcvol	211.980	ml/mol	McGowan Method
rinpol	1620.00		NIST Webbook
rinpol	1620.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R544160&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
rinpol: Non-polar retention indices

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