

# O,O-Diethyl-S-(1,1-difluoroethyl)-dithiophosphate

<b>Inchi:</b>	InChI=1S/C6H13F2O2PS2/c1-4-9-11(12,10-5-2)13-6(3,7)8/h4-5H2,1-3H3
<b>InchiKey:</b>	JENMRNLOFUKAKH-UHFFFAOYSA-N
<b>Formula:</b>	C6H13F2O2PS2
<b>SMILES:</b>	CCOP(=S)(OCC)SC(C)(F)F
<b>Mol. weight [g/mol]:</b>	250.27

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.55		Crippen Method
logp	3.630		Crippen Method
mcvol	163.840	ml/mol	McGowan Method
rinpola	1289.00		NIST Webbook

## Sources

<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R544373&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R544373&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>rinpola:</b>	Non-polar retention indices

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