

# O-Methyl-O-(1,1-difluoro-2-bromoethyl)-phosphor

<b>Inchi:</b>	InChI=1S/C3H5BrClF2O2PS/c1-8-10(5,11)9-3(6,7)2-4/h2H2,1H3
<b>InchiKey:</b>	QMECABHJLBKPLL-UHFFFAOYSA-N
<b>Formula:</b>	C3H5BrClF2O2PS
<b>SMILES:</b>	COP(=S)(Cl)OC(F)(F)CBr
<b>Mol. weight [g/mol]:</b>	289.46

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.10		Crippen Method
logp	3.100		Crippen Method
mcvol	134.960	ml/mol	McGowan Method
rinpola	1180.00		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R544120&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R544120&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</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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