

# 2-Methyl-1-dimethyl(pentafluorophenyl)silyloxypr

<b>Other names:</b>	Isobutanol DMPFPS 2-Methylpropanol, dimethylpentafluorophenylsilyl ether
<b>Inchi:</b>	InChI=1S/C12H15F5OSi/c1-6(2)5-18-19(3,4)12-10(16)8(14)7(13)9(15)11(12)17/h6H,5H2
<b>InchiKey:</b>	UXHWWUWXTZKTRA-UHFFFAOYSA-N
<b>Formula:</b>	C12H15F5OSi
<b>SMILES:</b>	CC(C)CO[Si](C)(C)c1c(F)c(F)c(F)c(F)c1F
<b>Mol. weight [g/mol]:</b>	298.32
<b>CAS:</b>	71338-75-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.48		Crippen Method
logp	3.467		Crippen Method
rinpol	1270.00		NIST Webbook
rinpol	1242.00		NIST Webbook
rinpol	1242.00		NIST Webbook

## Sources

<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.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C71338755&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C71338755&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinpol:</b>	Non-polar retention indices

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