

# Lauric acid, dimethyl(pentafluorophenyl)silyl ester

<b>Other names:</b>	Dodecanoic acid DMPFPS
<b>Inchi:</b>	InChI=1S/C20H29F5O2Si/c1-4-5-6-7-8-9-10-11-12-13-14(26)27-28(2,3)20-18(24)16(22)
<b>InchiKey:</b>	WUDDVVIQGQIPAW-UHFFFAOYSA-N
<b>Formula:</b>	C20H29F5O2Si
<b>SMILES:</b>	CCCCCCCCCCCC(=O)O[Si](C)(C)c1c(F)c(F)c(F)c(F)c1F
<b>Mol. weight [g/mol]:</b>	424.52

## Physical Properties

Property code	Value	Unit	Source
log10ws	-9.85		Crippen Method
logp	6.258		Crippen Method
rinpol	1700.00		NIST Webbook
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## 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=U308754&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U308754&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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