

3-(tert-Butyldimethyl)silyloxy-2-methyl-pyran-4-one

Other names:	3-Hydroxy-2-methyl-pyran-4-one t-BDMS
Inchi:	InChI=1S/C12H20O3Si/c1-9-11(10(13)7-8-14-9)15-16(5,6)12(2,3)4/h7-8H,1-6H3
InchiKey:	DBBCGERPHJTCLZ-UHFFFAOYSA-N
Formula:	C12H20O3Si
SMILES:	<chem>Cc1occc(=O)c1O[Si](C)(C)C(C)(C)C</chem>
Mol. weight [g/mol]:	240.37

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.37		Crippen Method
logp	3.332		Crippen Method
rinpol	1556.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U373048&Units=SI

Legend

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

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<https://www.chemeo.com/cid/49-432-8/3-tert-Butyldimethyl-silyloxy-2-methyl-pyran-4-one.pdf>

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