

# 2H-Pyran-2-one, 4-methoxy-6-methyl-

<b>Other names:</b>	Methyltriacetolactone 4-Methoxy-6-methyl-2H-pyran-2-one Methyltriacetolacton 2H-Pyran-2-one, 6-methyl-4-methoxy
<b>Inchi:</b>	InChI=1S/C7H8O3/c1-5-3-6(9-2)4-7(8)10-5/h3-4H,1-2H3
<b>InchiKey:</b>	MTZAUZNQAMNFME-UHFFFAOYSA-N
<b>Formula:</b>	C7H8O3
<b>SMILES:</b>	<chem>COc1cc(C)oc(=O)c1</chem>
<b>Mol. weight [g/mol]:</b>	140.14
<b>CAS:</b>	672-89-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.22		Crippen Method
logp	0.957		Crippen Method
mcvol	103.340	ml/mol	McGowan Method
rinpol	1297.00		NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	57.40	kJ/mol	409.50	NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C672899&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C672899&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>

# Legend

<b>hvapt:</b>	Enthalpy of vaporization at a given temperature
<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>rinpol:</b>	Non-polar retention indices

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