

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

**Inchi:** InChI=1S/C7H8O3/c1-5-3-6(8)4-7(9-2)10-5/h3-4H,1-2H3  
**InchiKey:** SGHBBBQKUYEJPS-UHFFFAOYSA-N  
**Formula:** C7H8O3  
**SMILES:** COc1cc(=O)cc(C)o1  
**Mol. weight [g/mol]:** 140.14  
**CAS:** 4225-42-7

## Physical Properties

Property code	Value	Unit	Source
hvap	71.00 ± 3.00	kJ/mol	NIST Webbook
log10ws	-5.22		Crippen Method
logp	0.957		Crippen Method
mvol	103.340	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	72.80	kJ/mol	377.00	NIST Webbook

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C4225427&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>h<sub>vapt</sub>:</b>	Enthalpy of vaporization at a given temperature
<b>log<sub>10</sub>w<sub>s</sub>:</b>	Log10 of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>mc<sub>vol</sub>:</b>	McGowan's characteristic volume

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