

2H-PYRAN, 3,4-DIHYDRO-2-METHOXY-

Other names:	3,4-Dihydro-2-methoxy-2H-pyran 2-Methoxy-3,4-dihydro-2H-pyran 2-Methoxy-2,3-dihydro-4H-pyran 2,3-Dihydro-2-methoxy-4H-pyran
Inchi:	InChI=1S/C6H10O2/c1-7-6-4-2-3-5-8-6/h3,5-6H,2,4H2,1H3
InchiKey:	XCYWUZHUTJDTGS-UHFFFAOYSA-N
Formula:	C6H10O2
SMILES:	COC1CCC=CO1
Mol. weight [g/mol]:	114.14

Physical Properties

Property code	Value	Unit	Source
hfus	13.52	kJ/mol	Joback Method
logp	1.283		Crippen Method
mcvol	91.980	ml/mol	McGowan Method
tb	390.75	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	175.05	J/mol×K	404.76	Joback Method
cpg	187.84	J/mol×K	439.17	Joback Method
cpg	200.08	J/mol×K	473.59	Joback Method
cpg	211.78	J/mol×K	508.00	Joback Method
cpg	222.93	J/mol×K	542.41	Joback Method
cpg	233.54	J/mol×K	576.82	Joback Method
cpg	243.61	J/mol×K	611.24	Joback Method
dvisc	0.0044018	Pa×s	214.32	Joback Method
dvisc	0.0020708	Pa×s	246.06	Joback Method
dvisc	0.0011574	Pa×s	277.80	Joback Method
dvisc	0.0007289	Pa×s	309.54	Joback Method
dvisc	0.0005002	Pa×s	341.28	Joback Method
dvisc	0.0003660	Pa×s	373.02	Joback Method
dvisc	0.0002813	Pa×s	404.76	Joback Method

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C4454051&Units=SI>

Joback Method: https://en.wikipedia.org/wiki/Joback_method

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature

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