2H-Pyran, 2-ethoxy-3,4-dihydro-

Other names:	2-Ethoxy-2,3-dihydro-4H-pyran
	2-Ethoxy-3,4-dihydropyran
	2-Ethoxypyran
	3,4-Dihydro-2-ethoxy-2H-pyran
	2-Ethoxy-3,4-dihydro-2H-pyran
	2-Ethoxy-2,3-dihydro-«gamma»-pyran
	2-Ethoxy-3,4-dihydro-1,2-pyran
	2-Ethoxy-3,4-dihydro-2-pyran
	2-Ethoxydihydropyran
	3,4-Dihydro-2H-pyran-2-yl ethyl ether
	NSC 6271
Inchi:	InChI=1S/C7H12O2/c1-2-8-7-5-3-4-6-9-7/h4,6-7H,2-3,5H2,1H3
InchiKey:	VZJFPIXCMVSTID-UHFFFAOYSA-N
Formula:	C7H12O2
SMILES:	CCOC1CCC=CO1
Mol. weight [g/mol]:	128.17
CAS:	103-75-3

Physical Properties

Property code	Value	Unit	Source
gf	-128.65	kJ/mol	Joback Method
hf	-339.93	kJ/mol	Joback Method
hfus	16.11	kJ/mol	Joback Method
hvap	38.82	kJ/mol	Joback Method
log10ws	-1.78		Crippen Method
logp	1.673		Crippen Method
mcvol	106.070	ml/mol	McGowan Method
pc	3564.27	kPa	Joback Method
rinpol	874.00		NIST Webbook
rinpol	874.00		NIST Webbook
tb	427.64	K	Joback Method
tc	631.94	K	Joback Method
tf	225.59	K	Joback Method
vc	0.386	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	214.31	J/mol×K	427.64	Joback Method
cpg	278.75	J/mol×K	597.89	Joback Method
cpg	267.09	J/mol×K	563.84	Joback Method
cpg	254.82	J/mol×K	529.79	Joback Method
cpg	241.94	J/mol×K	495.74	Joback Method
cpg	228.44	J/mol×K	461.69	Joback Method
cpg	289.81	J/mol×K	631.94	Joback Method
dvisc	0.0002734	Pa×s	427.64	Joback Method
dvisc	0.0003578	Pa×s	393.97	Joback Method
dvisc	0.0004926	Pa×s	360.29	Joback Method
dvisc	0.0007242	Pa×s	326.62	Joback Method
dvisc	0.0011635	Pa×s	292.94	Joback Method
dvisc	0.0021142	Pa×s	259.26	Joback Method
dvisc	0.0045918	Pa×s	225.59	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	315.20	K	2.10	NIST Webbook

Sources

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

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C103753&Units=SI

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

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

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume