

Ethene, 1-chloro-2-ethoxy-

Inchi:	InChI=1S/C4H7ClO/c1-2-6-4-3-5/h3-4H,2H2,1H3
InchiKey:	OFCHIOZFUUTWEM-UHFFFAOYSA-N
Formula:	C4H7ClO
SMILES:	CCOC=CCl
Mol. weight [g/mol]:	106.55
CAS:	928-56-3

Physical Properties

Property code	Value	Unit	Source
gf	-53.91	kJ/mol	Joback Method
hf	-156.63	kJ/mol	Joback Method
hfus	11.70	kJ/mol	Joback Method
hvap	31.25	kJ/mol	Joback Method
log10ws	-1.58		Crippen Method
logp	1.733		Crippen Method
mcvol	81.030	ml/mol	McGowan Method
pc	3886.79	kPa	Joback Method
tb	354.93	K	Joback Method
tc	538.04	K	Joback Method
tf	181.91	K	Joback Method
vc	0.306	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	124.91	J/mol×K	354.93	Joback Method
cpg	156.58	J/mol×K	507.52	Joback Method
cpg	150.76	J/mol×K	477.00	Joback Method
cpg	144.68	J/mol×K	446.48	Joback Method
cpg	138.35	J/mol×K	415.97	Joback Method
cpg	131.77	J/mol×K	385.45	Joback Method
cpg	162.17	J/mol×K	538.04	Joback Method
dvisc	0.0002161	Pa×s	354.93	Joback Method
dvisc	0.0002743	Pa×s	326.09	Joback Method

dvisc	0.0003646	Pa×s	297.26	Joback Method
dvisc	0.0005151	Pa×s	268.42	Joback Method
dvisc	0.0007911	Pa×s	239.58	Joback Method
dvisc	0.0013663	Pa×s	210.75	Joback Method
dvisc	0.0028060	Pa×s	181.91	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	320.70	K	6.30	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=C928563&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
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point

vc: Critical Volume

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