

Endo-2-ethylidenetetrahydrofuran

Inchi:	InChI=1S/C6H10O/c1-2-6-4-3-5-7-6/h2H,3-5H2,1H3/b6-2-
InchiKey:	FLLKLVUMIZLEGM-KXFIGUGUSA-N
Formula:	C6H10O
SMILES:	CC=C1CCCO1
Mol. weight [g/mol]:	98.14
CAS:	38614-12-9

Physical Properties

Property code	Value	Unit	Source
gf	3.24	kJ/mol	Joback Method
hf	-142.32	kJ/mol	Joback Method
hfus	12.46	kJ/mol	Joback Method
hvap	34.81	kJ/mol	Joback Method
log10ws	-1.66		Crippen Method
logp	1.701		Crippen Method
mcvol	86.110	ml/mol	McGowan Method
pc	4103.88	kPa	Joback Method
tb	390.22	K	Joback Method
tc	595.13	K	Joback Method
tf	209.45	K	Joback Method
vc	0.318	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	153.80	J/molxK	390.22	Joback Method
cpg	165.86	J/molxK	424.37	Joback Method
cpg	177.24	J/molxK	458.52	Joback Method
cpg	187.98	J/molxK	492.68	Joback Method
cpg	198.11	J/molxK	526.83	Joback Method
cpg	207.66	J/molxK	560.98	Joback Method
cpg	216.65	J/molxK	595.13	Joback Method
dvisc	0.0039989	Paxs	209.45	Joback Method
dvisc	0.0020050	Paxs	239.58	Joback Method

dvisc	0.0011729	Paxs	269.71	Joback Method
dvisc	0.0007642	Paxs	299.83	Joback Method
dvisc	0.0005385	Paxs	329.96	Joback Method
dvisc	0.0004023	Paxs	360.09	Joback Method
dvisc	0.0003144	Paxs	390.22	Joback Method

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=C38614129&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
mccvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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