

2,3-EPOXYHEXANOL

Inchi: InChI=1S/C6H12O2/c1-2-3-5-6(4-7)8-5/h5-7H,2-4H2,1H3
InchiKey: IGRZECZSICIWJA-UHFFFAOYSA-N
Formula: C6H12O2
SMILES: CCCC1OC1CO
Mol. weight [g/mol]: 116.16

Physical Properties

Property code	Value	Unit	Source
hfus	22.57	kJ/mol	Joback Method
logp	0.546		Crippen Method
mcvol	96.280	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	220.90	J/mol×K	457.88	Joback Method
cpg	276.69	J/mol×K	631.77	Joback Method
cpg	268.48	J/mol×K	602.79	Joback Method
cpg	259.86	J/mol×K	573.81	Joback Method
cpg	250.81	J/mol×K	544.83	Joback Method
cpg	241.32	J/mol×K	515.84	Joback Method
cpg	231.35	J/mol×K	486.86	Joback Method
dvisc	0.0014673	Pa×s	358.18	Joback Method
dvisc	0.0004198	Pa×s	457.88	Joback Method
dvisc	0.0005968	Pa×s	424.64	Joback Method
dvisc	0.0009008	Pa×s	391.41	Joback Method
dvisc	0.0134670	Pa×s	258.47	Joback Method
dvisc	0.0026412	Pa×s	324.94	Joback Method
dvisc	0.0054354	Pa×s	291.71	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C90528635&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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

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