cis-3-Nonen-1-ol, methyl ether

Inchi: InChI=1S/C10H20O/c1-3-4-5-6-7-8-9-10-11-2/h7-8H,3-6,9-10H2,1-2H3/b8-7-
InchiKey: LDEPBSLMQNQLBR-FPLPWBNLSA-N
Formula: C10H20O
SMILES: CCCCCC=CCCOC
Mol. weight [g/mol]: 156.27

Physical Properties

Property code	Value	Unit	Source
gf	8.54	kJ/mol	Joback Method
hf	-264.73	kJ/mol	Joback Method
hfus	23.05	kJ/mol	Joback Method
hvap	40.22	kJ/mol	Joback Method
log10ws	-2.95		Crippen Method
logp	3.159		Crippen Method
mcvol	153.330	ml/mol	McGowan Method
pc	2177.49	kPa	Joback Method
rinpol	1127.40		NIST Webbook
tb	454.78	K	Joback Method
tc	624.85	K	Joback Method
tf	219.61	K	Joback Method
vc	0.594	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	326.74	J/mol×K	454.78	Joback Method
cpg	394.21	J/mol×K	596.50	Joback Method
cpg	381.78	J/mol×K	568.16	Joback Method
cpg	368.83	J/mol×K	539.81	Joback Method
cpg	355.35	J/mol×K	511.47	Joback Method
cpg	341.32	J/mol×K	483.12	Joback Method
cpg	406.14	J/mol×K	624.85	Joback Method
dvisc	0.0001694	Pa×s	454.78	Joback Method
dvisc	0.0002242	Pa×s	415.59	Joback Method

dvisc	0.0003144	Pa×s	376.39	Joback Method
dvisc	0.0004771	Pa×s	337.20	Joback Method
dvisc	0.0008080	Pa×s	298.00	Joback Method
dvisc	0.0016049	Pa×s	258.81	Joback Method
dvisc	0.0040726	Pa×s	219.61	Joback Method

Sources

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

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

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=U352761&Units=SI

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
tc: Critical Temperature
tf: Normal melting (fusion) point
vc: Critical Volume