

7-Methoxynorcarane

Inchi:	InChI=1S/C8H14O/c1-9-8-6-4-2-3-5-7(6)8/h6-8H,2-5H2,1H3
InchiKey:	OBFLJLBVHOEFRL-UHFFFAOYSA-N
Formula:	C8H14O
SMILES:	COC1C2CCCCC21
Mol. weight [g/mol]:	126.20
CAS:	23865-95-4

Physical Properties

Property code	Value	Unit	Source
gf	13.17	kJ/mol	Joback Method
hf	-221.57	kJ/mol	Joback Method
hfus	12.90	kJ/mol	Joback Method
hvap	35.50	kJ/mol	Joback Method
log10ws	-1.68		Crippen Method
logp	1.821		Crippen Method
mcvol	107.730	ml/mol	McGowan Method
pc	3261.58	kPa	Joback Method
tb	417.94	K	Joback Method
tc	618.09	K	Joback Method
tf	230.27	K	Joback Method
vc	0.406	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	226.09	J/molxK	417.94	Joback Method
cpg	243.00	J/molxK	451.30	Joback Method
cpg	259.01	J/molxK	484.66	Joback Method
cpg	274.14	J/molxK	518.01	Joback Method
cpg	288.43	J/molxK	551.37	Joback Method
cpg	301.93	J/molxK	584.73	Joback Method
cpg	314.67	J/molxK	618.09	Joback Method
dvisc	0.0006187	Paxs	230.27	Joback Method
dvisc	0.0005814	Paxs	261.55	Joback Method

dvisc	0.0005536	Paxs	292.83	Joback Method
dvisc	0.0005322	Paxs	324.11	Joback Method
dvisc	0.0005152	Paxs	355.38	Joback Method
dvisc	0.0005013	Paxs	386.66	Joback Method
dvisc	0.0004898	Paxs	417.94	Joback Method

Sources

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=C23865954&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

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

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