2,6-Nonadien-1-ol

Other names:	2,6-Nonadienol
	Cucumber alcohol
	Violet-leaf alcohol
	nona-2,6-dien-1-ol
Inchi:	InChI=1S/C9H16O/c1-2-3-4-5-6-7-8-9-10/h3-4,7-8,10H,2,5-6,9H2,1H3
InchiKey:	AMXYRHBJZOVHOL-UHFFFAOYSA-N
Formula:	C9H16O
SMILES:	CCC=CCCC=CCO
Mol. weight [g/mol]:	140.22
CAS:	7786-44-9

Physical Properties

Property code	Value	Unit	Source
gf	48.52	kJ/mol	Joback Method
hf	-146.88	kJ/mol	Joback Method
hfus	23.56	kJ/mol	Joback Method
hvap	52.22	kJ/mol	Joback Method
log10ws	-2.56		Crippen Method
logp	2.281		Crippen Method
mcvol	134.940	ml/mol	McGowan Method
pc	2811.36	kPa	Joback Method
rinpol	1180.00		NIST Webbook
rinpol	1153.00		NIST Webbook
rinpol	1180.00		NIST Webbook
tb	505.82	K	Joback Method
tc	678.53	K	Joback Method
tf	241.85	K	Joback Method
vc	0.518	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	299.59	J/mol×K	505.82	Joback Method
cpg	311.24	J/mol×K	534.61	Joback Method

cpg	322.33	J/mol×K	563.39	Joback Method
cpg	332.89	J/mol×K	592.18	Joback Method
cpg	342.93	J/mol×K	620.96	Joback Method
cpg	352.49	J/mol×K	649.75	Joback Method
cpg	361.60	J/mol×K	678.53	Joback Method
dvisc	0.0451627	Pa×s	241.85	Joback Method
dvisc	0.0074581	Pa×s	285.85	Joback Method
dvisc	0.0019913	Pa×s	329.84	Joback Method
dvisc	0.0007255	Pa×s	373.84	Joback Method
dvisc	0.0003269	Pa×s	417.83	Joback Method
dvisc	0.0001715	Pa×s	461.83	Joback Method
dvisc	0.0001006	Pa×s	505.82	Joback Method

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.39352e+01
Coeff. B	-3.83710e+03
Coeff. C	-6.80630e+01
Temperature range (K), min.	349.22
Temperature range (K), max.	513.01

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=C7786449&Units=SI

The Yaws Handbook of Vapor Pressure: https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure

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

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
pvap:	Vapor pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume