2-Vinyl-2,3-dihydrobenzofuran

Inchi: InChI=1S/C10H10O/c1-2-9-7-8-5-3-4-6-10(8)11-9/h2-6,9H,1,7H2
InchiKey: KUUQXWYXLRJNNG-UHFFFAOYSA-N
Formula: C10H10O
SMILES: C=CC1Cc2ccccc2O1
Mol. weight [g/mol]: 146.19

Physical Properties

Property code	Value	Unit	Source
gf	198.57	kJ/mol	Joback Method
hf	41.56	kJ/mol	Joback Method
hfus	20.14	kJ/mol	Joback Method
hvap	44.55	kJ/mol	Joback Method
log10ws	-2.67		Crippen Method
logp	2.176		Crippen Method
mcvol	118.710	ml/mol	McGowan Method
pc	3464.28	kPa	Joback Method
rinpol	1279.00		NIST Webbook
rinpol	1279.00		NIST Webbook
tb	490.23	K	Joback Method
tc	717.07	K	Joback Method
tf	284.15	K	Joback Method
vc	0.447	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	254.72	J/mol×K	490.23	Joback Method
cpg	269.28	J/mol×K	528.04	Joback Method
cpg	282.78	J/mol×K	565.84	Joback Method
cpg	295.29	J/mol×K	603.65	Joback Method
cpg	306.88	J/mol×K	641.46	Joback Method
cpg	317.62	J/mol×K	679.27	Joback Method
cpg	327.58	J/mol×K	717.07	Joback Method
dvisc	0.0016868	Pa×s	284.15	Joback Method

dvisc	0.0012079	Pa×s	318.50	Joback Method
dvisc	0.0009230	Pa×s	352.84	Joback Method
dvisc	0.0007398	Pa×s	387.19	Joback Method
dvisc	0.0006147	Pa×s	421.54	Joback Method
dvisc	0.0005253	Pa×s	455.88	Joback Method
dvisc	0.0004588	Pa×s	490.23	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R417424&Units=SI
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

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