1-Phenoxy-4-vinyloxybenzene

Inchi: InChI=1S/C14H12O2/c1-2-15-12-8-10-14(11-9-12)16-13-6-4-3-5-7-13/h2-11H,1H2
InchiKey: POTAOFRXNXVCDH-UHFFFAOYSA-N
Formula: C14H12O2
SMILES: C=COc1ccc(Oc2ccccc2)cc1
Mol. weight [g/mol]: 212.24

Physical Properties

Property code	Value	Unit	Source
gf	160.03	kJ/mol	Joback Method
hf	-9.71	kJ/mol	Joback Method
hfus	20.80	kJ/mol	Joback Method
hvap	56.12	kJ/mol	Joback Method
log10ws	-3.99		Crippen Method
logp	4.001		Crippen Method
mcvol	168.040	ml/mol	McGowan Method
pc	2749.78	kPa	Joback Method
rinpol	285.80		NIST Webbook
rinpol	285.80		NIST Webbook
tb	619.58	K	Joback Method
tc	858.21	K	Joback Method
tf	355.60	K	Joback Method
vc	0.621	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	401.94	J/mol×K	619.58	Joback Method
cpg	417.72	J/mol×K	659.35	Joback Method
cpg	432.36	J/mol×K	699.12	Joback Method
cpg	445.91	J/mol×K	738.90	Joback Method
cpg	458.39	J/mol×K	778.67	Joback Method
cpg	469.85	J/mol×K	818.44	Joback Method
cpg	480.31	J/mol×K	858.21	Joback Method
dvisc	0.0010574	Pa×s	355.60	Joback Method

dvisc	0.0006013	Pa×s	399.60	Joback Method
dvisc	0.0003824	Pa×s	443.59	Joback Method
dvisc	0.0002639	Pa×s	487.59	Joback Method
dvisc	0.0001937	Pa×s	531.59	Joback Method
dvisc	0.0001490	Pa×s	575.58	Joback Method
dvisc	0.0001190	Pa×s	619.58	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=R572388&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

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