ETHANOL, 2-[4-METHOXYPHENOXY]-

Other names: 2-(4'-Methoxyphenoxy)ethanol
Ethanol, 2-[4-methoxyphenoxy]-
Inchi: InChI=1S/C9H12O3/c1-11-8-2-4-9(5-3-8)12-7-6-10/h2-5,10H,6-7H2,1H3
InchiKey: OOWGFJQYZCXHEY-UHFFFAOYSA-N
Formula: C9H12O3
SMILES: COc1ccc(OCCO)cc1
Mol. weight [g/mol]: 168.19

Physical Properties

Property code	Value	Unit	Source
hf	-414.10	kJ/mol	Cheméo Relay (1.0)
hfus	19.18	kJ/mol	Joback Method
hvap	79.32	kJ/mol	Cheméo Relay (1.0)
ie	8.17	eV	Cheméo Relay (1.0)
log10ws	-1.47		Cheméo Relay (1.0)
logp	1.066		Crippen Method
mcvol	131.520	ml/mol	McGowan Method
pc	3427.87	kPa	Joback Method
tb	574.15	K	Cheméo Relay (1.0)
tc	767.68	K	Cheméo Relay (1.0)
tf	325.55	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	312.72	J/mol×K	574.00	Joback Method
cpg	323.76	J/mol×K	606.16	Joback Method
cpg	334.29	J/mol×K	638.31	Joback Method
cpg	344.32	J/mol×K	670.47	Joback Method
cpg	353.84	J/mol×K	702.63	Joback Method
cpg	362.85	J/mol×K	734.79	Joback Method
cpg	371.36	J/mol×K	766.94	Joback Method
dvisc	0.0031729	Pa×s	335.41	Joback Method
dvisc	0.0011899	Pa×s	375.18	Joback Method

dvisc	0.0005385	Pa×s	414.94	Joback Method
dvisc	0.0002799	Pa×s	454.71	Joback Method
dvisc	0.0001617	Pa×s	494.47	Joback Method
dvisc	0.0001013	Pa×s	534.24	Joback Method
dvisc	0.0000678	Pa×s	574.00	Joback Method

Sources

Cheméo Relay (1.0, beta):

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C5394570&Units=SI

Joback Method: https://en.wikipedia.org/wiki/Joback_method

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

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

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

Cheméo Relay (1.0):

Legend

cpg: Ideal gas heat capacity
dvisc: Dynamic viscosity
hf: Enthalpy of formation at standard conditions
hfus: Enthalpy of fusion at standard conditions
hvap: Enthalpy of vaporization at standard conditions
ie: Ionization energy
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