Benzenepropanol, 4-methoxy-

Other names:	4-Methoxybenzenepropanol
	1-(4-Methoxyphenyl)-3-propanol
	3-p-Methoxyphenylpropanol
	3-(p-Methoxyphenyl)-1-propanol
	3-(4-Methoxyphenyl)-1-propanol
	1-Propanol, 3-(p-methoxyphenyl)-
	1-Propanol, 3-(4-methoxyphenyl)
	4-methoxyphenylpropanol
	3-(4-methoxyphenyl)propan-1-ol
Inchi:	InChI=1S/C10H14O2/c1-12-10-6-4-9(5-7-10)3-2-8-11/h4-7,11H,2-3,8H2,1H3
InchiKey:	NIIDHUCLROLCBU-UHFFFAOYSA-N
Formula:	C10H14O2
SMILES:	COc1ccc(CCCO)cc1
Mol. weight [g/mol]:	166.22
CAS:	5406-18-8

Physical Properties

Property code	Value	Unit	Source
gf	-105.72	kJ/mol	Joback Method
hf	-309.12	kJ/mol	Joback Method
hfus	20.58	kJ/mol	Joback Method
hvap	59.88	kJ/mol	Joback Method
log10ws	-2.08		Crippen Method
logp	1.620		Crippen Method
mcvol	139.740	ml/mol	McGowan Method
pc	3131.49	kPa	Joback Method
rinpol	1509.00		NIST Webbook
rinpol	1449.00		NIST Webbook
ripol	2487.00		NIST Webbook
tb	574.46	K	Joback Method
tc	766.44	K	Joback Method
tf	324.45	K	Joback Method
vc	0.524	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	335.41	J/mol×K	574.46	Joback Method
cpg	389.74	J/mol×K	734.44	Joback Method
cpg	380.01	J/mol×K	702.45	Joback Method
cpg	369.72	J/mol×K	670.45	Joback Method
cpg	358.87	J/mol×K	638.45	Joback Method
cpg	347.43	J/mol×K	606.46	Joback Method
cpg	398.94	J/mol×K	766.44	Joback Method
dvisc	0.0000766	Pa×s	574.46	Joback Method
dvisc	0.0001164	Pa×s	532.79	Joback Method
dvisc	0.0001900	Pa×s	491.12	Joback Method
dvisc	0.0003395	Pa×s	449.46	Joback Method
dvisc	0.0006831	Pa×s	407.79	Joback Method
dvisc	0.0016119	Pa×s	366.12	Joback Method
dvisc	0.0047415	Pa×s	324.45	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	439.20	K	2.40	NIST Webbook

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=C5406188&Units=SI
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
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume