

3-Hydroxy-4-methoxybenzyl alcohol

Other names:	4-Methoxy-3-hydroxy benzyl alcohol Benzenemethanol, 3-hydroxy-4-methoxy-
Inchi:	InChI=1S/C8H10O3/c1-11-8-3-2-6(5-9)4-7(8)10/h2-4,9-10H,5H2,1H3
InchiKey:	WHKRHBLAJFYZKF-UHFFFAOYSA-N
Formula:	C8H10O3
SMILES:	COc1ccc(CO)cc1O
Mol. weight [g/mol]:	154.16
CAS:	4383-06-6

Physical Properties

Property code	Value	Unit	Source
gf	-277.18	kJ/mol	Joback Method
hf	-445.15	kJ/mol	Joback Method
hfus	21.19	kJ/mol	Joback Method
hvap	68.44	kJ/mol	Joback Method
log10ws	-1.28		Crippen Method
logp	0.893		Crippen Method
mvol	117.430	ml/mol	McGowan Method
pc	4782.59	kPa	Joback Method
rinpol	1477.90		NIST Webbook
tb	609.32	K	Joback Method
tc	817.37	K	Joback Method
tf	413.63	K	Joback Method
vc	0.379	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	289.75	J/molxK	609.32	Joback Method
cpg	330.61	J/molxK	782.70	Joback Method
cpg	323.31	J/molxK	748.02	Joback Method
cpg	315.62	J/molxK	713.35	Joback Method
cpg	307.49	J/molxK	678.67	Joback Method
cpg	298.88	J/molxK	644.00	Joback Method

cpg	337.55	J/molxK	817.37	Joback Method
dvisc	0.0000118	Paxs	609.32	Joback Method
dvisc	0.0000195	Paxs	576.70	Joback Method
dvisc	0.0000342	Paxs	544.09	Joback Method
dvisc	0.0000644	Paxs	511.47	Joback Method
dvisc	0.0001322	Paxs	478.86	Joback Method
dvisc	0.0003013	Paxs	446.25	Joback Method
dvisc	0.0007825	Paxs	413.63	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4383066&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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

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