Benzaldehyde, 2-hydroxy-4-methoxy-

Other names:	2-Hydroxy-4-methoxybenzaldehyde
	2-Hydroxy-p-anisaldehyde
	4-Methoxysalicylaldehyde
	o-Hydroxy-p-methoxybenzaldehyde
	p-Anisaldehyde, 2-hydroxy-
	Salicylaldehyde, 4-methoxy-
	4-Methoxysalicyaldehyde
	4-o-Methylresorcylaldehyde
	Salicylic aldehyde, 4-methoxy
Inchi:	InChI=1S/C8H8O3/c1-11-7-3-2-6(5-9)8(10)4-7/h2-5,10H,1H3
InchiKey:	WZUODJNEIXSNEU-UHFFFAOYSA-N
Formula:	C8H8O3
SMILES:	COc1ccc(C=O)c(O)c1
Mol. weight [g/mol]:	152.15
CAS:	673-22-3

Physical Properties

Property code	Value	Unit	Source
gf	-239.88	kJ/mol	Joback Method
hf	-378.50	kJ/mol	Joback Method
hfus	19.39	kJ/mol	Joback Method
hvap	58.48	kJ/mol	Joback Method
log10ws	-1.38		Crippen Method
logp	1.213		Crippen Method
mcvol	113.130	ml/mol	McGowan Method
pc	4665.71	kPa	Joback Method
rinpol	1335.00		NIST Webbook
rinpol	1338.00		NIST Webbook
rinpol	1357.00		NIST Webbook
rinpol	1296.00		NIST Webbook
rinpol	1357.50		NIST Webbook
ripol	2135.00		NIST Webbook
ripol	2145.00		NIST Webbook
ripol	2145.00		NIST Webbook
tb	565.80	K	Joback Method
tc	793.56	K	Joback Method
tf	394.81	K	Joback Method

vc	0.377	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	259.74	J/mol×K	565.80	Joback Method
cpg	302.31	J/mol×K	755.60	Joback Method
cpg	294.87	J/mol×K	717.64	Joback Method
cpg	286.94	J/mol×K	679.68	Joback Method
cpg	278.48	J/mol×K	641.72	Joback Method
cpg	269.43	J/mol×K	603.76	Joback Method
cpg	309.32	J/mol×K	793.56	Joback Method
dvisc	0.0000536	Pa×s	565.80	Joback Method
dvisc	0.0000771	Pa×s	537.30	Joback Method
dvisc	0.0001155	Pa×s	508.80	Joback Method
dvisc	0.0001814	Pa×s	480.30	Joback Method
dvisc	0.0003017	Pa×s	451.81	Joback Method
dvisc	0.0005373	Pa×s	423.31	Joback Method
dvisc	0.0010401	Pa×s	394.81	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=C673223&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume