Benzeneethanol, 2-hydroxy-

Other names:	o-(2-Hydroxyethyl)phenol
	o-Hydroxyphenethyl alcohol
	«beta»-(o-Hydroxyphenyl)ethanol
	2-(o-Hydroxyphenyl)ethanol
	2-(2-Hydroxyphenyl)ethanol
	Phenethyl alcohol, o-hydroxy-
	2-Hydroxyphenethyl alcohol
	2-(2-Hydroxyethyl)phenol
	NSC 101845
Inchi:	InChI=1S/C8H10O2/c9-6-5-7-3-1-2-4-8(7)10/h1-4,9-10H,5-6H2
InchiKey:	ABFCOJLLBHXNOU-UHFFFAOYSA-N
Formula:	C8H10O2
SMILES:	OCCc1ccccc1O
Mol. weight [g/mol]:	138.16
CAS:	7768-28-7

Physical Properties

Property code	Value	Unit	Source
gf	-162.55	kJ/mol	Joback Method
hf	-301.46	kJ/mol	Joback Method
hfus	20.39	kJ/mol	Joback Method
hvap	65.37	kJ/mol	Joback Method
log10ws	-1.09		Crippen Method
logp	0.927		Crippen Method
mcvol	111.560	ml/mol	McGowan Method
pc	5001.51	kPa	Joback Method
rinpol	1410.00		NIST Webbook
rinpol	1410.00		NIST Webbook
ripol	2839.00		NIST Webbook
tb	581.92	K	Joback Method
tc	791.22	K	Joback Method
tf	378.88	K	Joback Method
vc	0.360	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	269.14	J/mol×K	581.92	Joback Method
cpg	278.61	J/mol×K	616.80	Joback Method
cpg	287.43	J/mol×K	651.69	Joback Method
cpg	295.68	J/mol×K	686.57	Joback Method
cpg	303.42	J/mol×K	721.46	Joback Method
cpg	310.72	J/mol×K	756.34	Joback Method
cpg	317.63	J/mol×K	791.22	Joback Method
dvisc	0.0025798	Pa×s	378.88	Joback Method
dvisc	0.0008141	Pa×s	412.72	Joback Method
dvisc	0.0003060	Pa×s	446.56	Joback Method
dvisc	0.0001320	Pa×s	480.40	Joback Method
dvisc	0.0000636	Pa×s	514.24	Joback Method
dvisc	0.0000335	Pa×s	548.08	Joback Method
dvisc	0.0000191	Pa×s	581.92	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	441.70	K	0.30	NIST Webbook

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=C7768287&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
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume