

p-Ethoxybenzyl alcohol

Other names:	4-Ethoxybenzyl alcohol Benzenemethanol, 4-ethoxy-
Inchi:	InChI=1S/C9H12O2/c1-2-11-9-5-3-8(7-10)4-6-9/h3-6,10H,2,7H2,1H3
InchiKey:	UKFLLQIRBABMKF-UHFFFAOYSA-N
Formula:	C9H12O2
SMILES:	CCOc1ccc(CO)cc1
Mol. weight [g/mol]:	152.19
CAS:	6214-44-4

Physical Properties

Property code	Value	Unit	Source
gf	-114.14	kJ/mol	Joback Method
hf	-288.48	kJ/mol	Joback Method
hfus	17.99	kJ/mol	Joback Method
hvap	57.66	kJ/mol	Joback Method
log10ws	-2.15		Crippen Method
logp	1.578		Crippen Method
mvol	125.650	ml/mol	McGowan Method
pc	3497.14	kPa	Joback Method
tb	546.20	K	NIST Webbook
tc	746.03	K	Joback Method
tf	313.18	K	Joback Method
vc	0.469	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	289.51	J/molxK	551.58	Joback Method
cpg	339.96	J/molxK	713.62	Joback Method
cpg	330.92	J/molxK	681.21	Joback Method
cpg	321.36	J/molxK	648.80	Joback Method
cpg	311.28	J/molxK	616.40	Joback Method
cpg	300.67	J/molxK	583.99	Joback Method
cpg	348.51	J/molxK	746.03	Joback Method

dvisc	0.0000901	Paxs	551.58	Joback Method
dvisc	0.0001370	Paxs	511.85	Joback Method
dvisc	0.0002237	Paxs	472.11	Joback Method
dvisc	0.0003997	Paxs	432.38	Joback Method
dvisc	0.0008032	Paxs	392.65	Joback Method
dvisc	0.0018885	Paxs	352.91	Joback Method
dvisc	0.0055162	Paxs	313.18	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=C6214444&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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