

Benzenemethanol, alpha-cyclopropyl-4-methyl-

Other names:	«alpha»-cyclopropyl-4-methylbenzyl alcohol
Inchi:	InChI=1S/C11H14O/c1-8-2-4-9(5-3-8)11(12)10-6-7-10/h2-5,10-12H,6-7H2,1H3
InchiKey:	MRBYWQHXPYOYEW-UHFFFAOYSA-N
Formula:	C11H14O
SMILES:	<chem>Cc1ccc(C(O)C2CC2)cc1</chem>
Mol. weight [g/mol]:	162.23
CAS:	6552-46-1

Physical Properties

Property code	Value	Unit	Source
gf	66.01	kJ/mol	Joback Method
hf	-130.02	kJ/mol	Joback Method
hfus	16.60	kJ/mol	Joback Method
hvap	59.22	kJ/mol	Joback Method
log10ws	-2.96		Crippen Method
logp	2.438		Crippen Method
mcvol	137.100	ml/mol	McGowan Method
pc	3348.98	kPa	Joback Method
tb	581.22	K	Joback Method
tc	789.72	K	Joback Method
tf	316.43	K	Joback Method
vc	0.513	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	343.90	J/molxK	581.22	Joback Method
cpg	357.75	J/molxK	615.97	Joback Method
cpg	370.71	J/molxK	650.72	Joback Method
cpg	382.83	J/molxK	685.47	Joback Method
cpg	394.17	J/molxK	720.22	Joback Method
cpg	404.80	J/molxK	754.97	Joback Method
cpg	414.76	J/molxK	789.72	Joback Method
dvisc	0.0073774	Paxs	316.43	Joback Method

dvisc	0.0027302	Paxs	360.56	Joback Method
dvisc	0.0012550	Paxs	404.69	Joback Method
dvisc	0.0006721	Paxs	448.83	Joback Method
dvisc	0.0004026	Paxs	492.96	Joback Method
dvisc	0.0002623	Paxs	537.09	Joback Method
dvisc	0.0001824	Paxs	581.22	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6552461&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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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