Benzenemethanol, «alpha»-cyclopropyl-4-ethyl-

Other names: Cyclopropyl 4-ethylphenyl carbinol
«alpha»-cyclopropyl-4-ethylbenzyl alcohol

Inchi: InChI=1S/C12H16O/c1-2-9-3-5-10(6-4-9)12(13)11-7-8-11/h3-6,11-13H,2,7-8H2,1H3

InchiKey: QAJOIUSWRDELCI-UHFFFAOYSA-N

Formula: C12H16O

SMILES: CCc1ccc(C(O)C2CC2)cc1

Mol. weight [g/mol]: 176.25

CAS: 84100-47-0

Physical Properties

Property code	Value	Unit	Source
gf	74.43	kJ/mol	Joback Method
hf	-150.66	kJ/mol	Joback Method
hfus	19.19	kJ/mol	Joback Method
hvap	61.45	kJ/mol	Joback Method
log10ws	-3.29		Crippen Method
logp	2.692		Crippen Method
mcvol	151.190	ml/mol	McGowan Method
pc	3005.73	kPa	Joback Method
tb	604.10	K	Joback Method
tc	809.39	K	Joback Method
tf	327.70	K	Joback Method
vc	0.570	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	392.38	J/mol×K	604.10	Joback Method
cpg	456.25	J/mol×K	775.17	Joback Method
cpg	445.05	J/mol×K	740.96	Joback Method
cpg	433.12	J/mol×K	706.74	Joback Method
cpg	420.40	J/mol×K	672.53	Joback Method
cpg	406.84	J/mol×K	638.31	Joback Method
cpg	466.78	J/mol×K	809.39	Joback Method

dvisc	0.0001605	Pa×s	604.10	Joback Method
dvisc	0.0002310	Pa×s	558.03	Joback Method
dvisc	0.0003550	Pa×s	511.97	Joback Method
dvisc	0.0005938	Pa×s	465.90	Joback Method
dvisc	0.0011122	Pa×s	419.83	Joback Method
dvisc	0.0024312	Pa×s	373.77	Joback Method
dvisc	0.0066218	Pa×s	327.70	Joback Method

Sources

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=C84100470&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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