Cyclopropanemethanol, «alpha»-methyl-«alpha»-propyl-

Other names: 2-Pentanol, 2-cyclopropyl-
2-Cyclopropyl-2-pentanol

Inchi: InChI=1S/C8H16O/c1-3-6-8(2,9)7-4-5-7/h7,9H,3-6H2,1-2H3

InchiKey: WEXFBWATVRHNFT-UHFFFAOYSA-N

Formula: C8H16O

SMILES: CCCC(C)(O)C1CC1

Mol. weight [g/mol]: 128.21

CAS: 24230-08-8

Physical Properties

Property code	Value	Unit	Source
gf	-56.75	kJ/mol	Joback Method
hf	-296.63	kJ/mol	Joback Method
hfus	11.28	kJ/mol	Joback Method
hvap	48.70	kJ/mol	Joback Method
log10ws	-2.20		Crippen Method
logp	1.948		Crippen Method
mcvol	118.590	ml/mol	McGowan Method
pc	3284.05	kPa	Joback Method
tb	436.70 ± 0.50	K	NIST Webbook
tc	659.77	K	Joback Method
tf	261.10	K	Joback Method
vc	0.449	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	278.31	J/mol×K	478.13	Joback Method
cpg	338.31	J/mol×K	629.50	Joback Method
cpg	327.71	J/mol×K	599.22	Joback Method
cpg	316.45	J/mol×K	568.95	Joback Method
cpg	304.50	J/mol×K	538.68	Joback Method
cpg	291.80	J/mol×K	508.40	Joback Method
cpg	348.30	J/mol×K	659.77	Joback Method

dvisc	0.0003243	Pa×s	478.13	Joback Method
dvisc	0.0004982	Pa×s	441.96	Joback Method
dvisc	0.0008262	Pa×s	405.79	Joback Method
dvisc	0.0015128	Pa×s	369.62	Joback Method
dvisc	0.0031582	Pa×s	333.44	Joback Method
dvisc	0.0078871	Pa×s	297.27	Joback Method
dvisc	0.0253814	Pa×s	261.10	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=C24230088&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