Cyclopropyl phenylmethanol

Other names:	Cyclopropyl phenyl carbinol
	Benzenemethanol, «alpha»-cyclopropyl-
	alpha-cyclopropylbenzyl alcohol
Inchi:	InChI=1S/C10H12O/c11-10(9-6-7-9)8-4-2-1-3-5-8/h1-5,9-11H,6-7H2
InchiKey:	GOXKCYOMDINCCD-UHFFFAOYSA-N
Formula:	C10H12O
SMILES:	OC(c1ccccc1)C1CC1
Mol. weight [g/mol]:	148.20
CAS:	1007-03-0

Physical Properties

Property code	Value	Unit	Source
gf	67.22	kJ/mol	Joback Method
hf	-97.91	kJ/mol	Joback Method
hfus	14.40	kJ/mol	Joback Method
hvap	56.33	kJ/mol	Joback Method
ie	8.30 ± 0.10	eV	NIST Webbook
log10ws	-2.49		Crippen Method
logp	2.130		Crippen Method
mcvol	123.010	ml/mol	McGowan Method
pc	3824.55	kPa	Joback Method
tb	553.36	K	Joback Method
tc	764.22	K	Joback Method
tf	292.64	K	Joback Method
vc	0.458	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	297.41	J/mol×K	553.36	Joback Method
cpg	310.86	J/mol×K	588.50	Joback Method
cpg	323.38	J/mol×K	623.65	Joback Method
cpg	335.04	J/mol×K	658.79	Joback Method
cpg	345.88	J/mol×K	693.93	Joback Method

cpg	355.98	J/mol×K	729.08	Joback Method
cpg	365.39	J/mol×K	764.22	Joback Method
dvisc	0.0125114	Pa×s	292.64	Joback Method
dvisc	0.0040967	Pa×s	336.09	Joback Method
dvisc	0.0017322	Pa×s	379.55	Joback Method
dvisc	0.0008741	Pa×s	423.00	Joback Method
dvisc	0.0005010	Pa×s	466.45	Joback Method
dvisc	0.0003158	Pa×s	509.91	Joback Method
dvisc	0.0002140	Pa×s	553.36	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	405.70	K	2.40	NIST Webbook

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=C1007030&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
ie: Ionization energy
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
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume