Bicyclo[2.2.1]heptane-2-methanol

Other names:	2-Norbornanemethanol
	CPC 1207
	Experimental chemotherapeutant 1,207
	2-(Hydroxymethyl)bicyclo[2.2.1]heptane
	2-(Hydroxymethyl)norbornane
	2-(Hydroxymethyl)norcamphane
	2-Norbornylmethanol
	2-Norcamphanemethanol
	Bicyclo(2,2,1)heptane-2-carbinol
	Bicyclo[2.2.1]heptane-2-carbinol
	EC-1207
	CC 1207
	2-Norcamphanylmethanol
	2-Norkamfanylmethanol
	Methanol, 2-norbornane-
	NSC 53599
	NSC 55693
	(Bicyclo[2.2.1]hept-2-yl)methanol
Inchi:	InChI=1S/C8H14O/c9-5-8-4-6-1-2-7(8)3-6/h6-9H,1-5H2
InchiKey:	LWHKUVOYICRGGR-UHFFFAOYSA-N
Formula:	C8H14O
SMILES:	OCC1CC2CCC1C2
Mol. weight [g/mol]:	126.20
CAS:	5240-72-2

Physical Properties

Property code	Value	Unit	Source
gf	-18.65	kJ/mol	Joback Method
hf	-241.58	kJ/mol	Joback Method
hfus	15.80	kJ/mol	Joback Method
hvap	49.77	kJ/mol	Joback Method
log10ws	-1.50		Crippen Method
logp	1.415		Crippen Method
mcvol	107.730	ml/mol	McGowan Method
pc	3708.97	kPa	Joback Method
tb	487.70	K	Joback Method
tc	678.40	K	Joback Method

tf	268.86	K	Joback Method
vc	0.407	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	261.47	J/mol×K	487.70	Joback Method
cpg	275.96	J/mol×K	519.48	Joback Method
cpg	289.60	J/mol×K	551.27	Joback Method
cpg	302.46	J/mol×K	583.05	Joback Method
cpg	314.56	J/mol×K	614.83	Joback Method
cpg	325.97	J/mol×K	646.61	Joback Method
cpg	336.71	J/mol×K	678.40	Joback Method
dvisc	0.0093558	Pa×s	268.86	Joback Method
dvisc	0.0043623	Pa×s	305.33	Joback Method
dvisc	0.0023937	Pa×s	341.81	Joback Method
dvisc	0.0014746	Pa×s	378.28	Joback Method
dvisc	0.0009892	Pa×s	414.75	Joback Method
dvisc	0.0007079	Pa×s	451.23	Joback Method
dvisc	0.0005325	Pa×s	487.70	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	367.20	K	1.90	NIST Webbook
tbrp	374.50 ± 0.50	K	1.30	NIST Webbook

Sources

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=C5240722&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume