Cyclopropane, (bromomethyl)-

Other names:	(Bromomethyl)cyclopropane
	Cyclopropanemethyl bromide
	Cyclopropylmethyl bromide
Inchi:	InChI=1S/C4H7Br/c5-3-4-1-2-4/h4H,1-3H2
InchiKey:	AEILLAXRDHDKDY-UHFFFAOYSA-N
Formula:	C4H7Br
SMILES:	BrCC1CC1
Mol. weight [g/mol]:	135.00
CAS:	7051-34-5

Physical Properties

Property code	Value	Unit	Source
gf	57.87	kJ/mol	Joback Method
hf	-26.76	kJ/mol	Joback Method
hfus	9.54	kJ/mol	Joback Method
hvap	30.85	kJ/mol	Joback Method
log10ws	-1.58		Crippen Method
logp	1.791		Crippen Method
mcvol	73.860	ml/mol	McGowan Method
pc	5080.25	kPa	Joback Method
tb	378.70	K	NIST Webbook
tc	566.70	K	Joback Method
tf	212.58	K	Joback Method
vc	0.279	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	109.56	J/mol×K	363.82	Joback Method
cpg	150.35	J/mol×K	532.89	Joback Method
cpg	143.33	J/mol×K	499.07	Joback Method
cpg	135.78	J/mol×K	465.26	Joback Method
cpg	127.66	J/mol×K	431.45	Joback Method
cpg	118.93	J/mol×K	397.63	Joback Method

cpg	156.88	J/mol×K	566.70	Joback Method
dvisc	0.0004880	Pa×s	363.82	Joback Method
dvisc	0.0005357	Pa×s	338.61	Joback Method
dvisc	0.0005970	Pa×s	313.41	Joback Method
dvisc	0.0006780	Pa×s	288.20	Joback Method
dvisc	0.0007890	Pa×s	262.99	Joback Method
dvisc	0.0009482	Pa×s	237.79	Joback Method
dvisc	0.0011903	Pa×s	212.58	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=C7051345&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