2-Chloro-3-(3-chloro-tetrahydro-furan-2-yl)-propan

Inchi: InChI=1S/C7H12Cl2O2/c8-5(4-10)3-7-6(9)1-2-11-7/h5-7,10H,1-4H2
InchiKey: GNJRUHPEAZWZFU-UHFFFAOYSA-N
Formula: C7H12Cl2O2
SMILES: OCC(Cl)CC1OCCC1Cl
Mol. weight [g/mol]: 199.07

Physical Properties

Property code	Value	Unit	Source
gf	-212.34	kJ/mol	Joback Method
hf	-468.66	kJ/mol	Joback Method
hfus	25.83	kJ/mol	Joback Method
hvap	60.69	kJ/mol	Joback Method
log10ws	-1.64		Crippen Method
logp	1.373		Crippen Method
mcvol	134.850	ml/mol	McGowan Method
pc	3356.75	kPa	Joback Method
rinpol	1455.00		NIST Webbook
rinpol	1455.00		NIST Webbook
tb	563.72	K	Joback Method
tc	762.85	K	Joback Method
tf	307.54	K	Joback Method
vc	0.499	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	316.20	J/mol×K	563.72	Joback Method
cpg	369.31	J/mol×K	729.66	Joback Method
cpg	359.95	J/mol×K	696.47	Joback Method
cpg	349.98	J/mol×K	663.29	Joback Method
cpg	339.38	J/mol×K	630.10	Joback Method
cpg	328.13	J/mol×K	596.91	Joback Method
cpg	378.08	J/mol×K	762.85	Joback Method
dvisc	0.0001839	Pa×s	563.72	Joback Method

dvisc	0.0002828	Pa×s	521.02	Joback Method
dvisc	0.0004696	Pa×s	478.33	Joback Method
dvisc	0.0008611	Pa×s	435.63	Joback Method
dvisc	0.0018017	Pa×s	392.93	Joback Method
dvisc	0.0045131	Pa×s	350.24	Joback Method
dvisc	0.0145881	Pa×s	307.54	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R132673&Units=SI
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

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume