2-(3-Chloro-tetrahydro-furan-2-yloxy)-ethylamine

Other names: Tetrahydrofuran, 3-chloro-2-(2-aminoethyloxy)
Inchi: InChI=1S/C6H12ClNO2/c7-5-1-3-9-6(5)10-4-2-8/h5-6H,1-4,8H2
InchiKey: ZSJOFWZPZIAOPY-UHFFFAOYSA-N
Formula: C6H12ClNO2
SMILES: NCCOC1OCCC1Cl
Mol. weight [g/mol]: 165.62

Physical Properties

Property code	Value	Unit	Source
gf	-108.12	kJ/mol	Joback Method
hf	-373.20	kJ/mol	Joback Method
hfus	24.86	kJ/mol	Joback Method
hvap	50.84	kJ/mol	Joback Method
log10ws	-0.71		Crippen Method
logp	0.316		Crippen Method
mcvol	118.500	ml/mol	McGowan Method
pc	3659.77	kPa	Joback Method
rinpol	1235.00		NIST Webbook
rinpol	1235.00		NIST Webbook
tb	506.62	K	Joback Method
tc	721.73	K	Joback Method
tf	326.02	K	Joback Method
vc	0.428	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	273.53	J/mol×K	506.62	Joback Method
cpg	287.00	J/mol×K	542.47	Joback Method
cpg	299.78	J/mol×K	578.32	Joback Method
cpg	311.88	J/mol×K	614.17	Joback Method
cpg	323.31	J/mol×K	650.03	Joback Method
cpg	334.07	J/mol×K	685.88	Joback Method
cpg	344.18	J/mol×K	721.73	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R91191&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
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