3,4-Dihydro-2h-pyran-2-methylamine

Inchi: InChI=1S/C6H11NO/c1-7-6-4-2-3-5-8-6/h3,5-7H,2,4H2,1H3
InchiKey: UXHCQWWDDNVDBR-UHFFFAOYSA-N
Formula: C6H11NO
SMILES: CNC1CCC=CO1
Mol. weight [g/mol]: 113.16

Physical Properties

Property code	Value	Unit	Source
gf	57.32	kJ/mol	Joback Method
hf	-133.60	kJ/mol	Joback Method
hfus	17.43	kJ/mol	Joback Method
hvap	40.62	kJ/mol	Joback Method
log10ws	-1.46		Crippen Method
logp	0.856		Crippen Method
mcvol	96.090	ml/mol	McGowan Method
pc	4167.71	kPa	Joback Method
tb	432.51	K	Joback Method
tc	643.59	K	Joback Method
tf	244.75	K	Joback Method
vc	0.346	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	194.41	J/mol×K	432.51	Joback Method
cpg	208.28	J/mol×K	467.69	Joback Method
cpg	221.40	J/mol×K	502.87	Joback Method
cpg	233.81	J/mol×K	538.05	Joback Method
cpg	245.51	J/mol×K	573.23	Joback Method
cpg	256.53	J/mol×K	608.41	Joback Method
cpg	266.89	J/mol×K	643.59	Joback Method

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=B6006706&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
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