2-(2-Isopropenyl-5-methyl-cyclopentyl)-acetamide

Inchi: InChI=1S/C11H19NO/c1-7(2)9-5-4-8(3)10(9)6-11(12)13/h8-10H,1,4-6H2,2-3H3,(H2,12,1
InchiKey: LBYUEEZEGPPBEC-UHFFFAOYSA-N
Formula: C11H19NO
SMILES: C=C(C)C1CCC(C)C1CC(N)=O
Mol. weight [g/mol]: 181.27

Physical Properties

Property code	Value	Unit	Source
gf	79.69	kJ/mol	Joback Method
hf	-213.72	kJ/mol	Joback Method
hfus	24.53	kJ/mol	Joback Method
hvap	56.52	kJ/mol	Joback Method
log10ws	-2.66		Crippen Method
logp	2.100		Crippen Method
mcvol	162.240	ml/mol	McGowan Method
pc	2517.59	kPa	Joback Method
tb	579.98	K	Joback Method
tc	793.77	K	Joback Method
tf	333.62	K	Joback Method
vc	0.608	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	425.94	J/mol×K	579.98	Joback Method
cpg	444.03	J/mol×K	615.61	Joback Method
cpg	461.08	J/mol×K	651.24	Joback Method
cpg	477.11	J/mol×K	686.88	Joback Method
cpg	492.17	J/mol×K	722.51	Joback Method
cpg	506.27	J/mol×K	758.14	Joback Method
cpg	519.47	J/mol×K	793.77	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=U186786&Units=SI

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