Acetamide, N-(2-methylbutyl)

Inchi: InChI=1S/C7H15NO/c1-4-6(2)5-8-7(3)9/h6H,4-5H2,1-3H3,(H,8,9)
InchiKey: UBERLXYRZNEDEB-UHFFFAOYSA-N
Formula: C7H15NO
SMILES: CCC(C)CN=C(C)O
Mol. weight [g/mol]: 129.20

Physical Properties

Property code	Value	Unit	Source
hf	-272.89	kJ/mol	Joback Method
hvap	50.86	kJ/mol	Joback Method
log10ws	-1.49		Crippen Method
logp	2.009		Crippen Method
mcvol	121.040	ml/mol	McGowan Method
pc	2799.47	kPa	Joback Method
ripol	1796.00		NIST Webbook
ripol	1796.00		NIST Webbook
tb	527.86	K	Joback Method
tc	712.03	K	Joback Method

Sources

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=R410512&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hf: Enthalpy of formation 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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature