

# Propanamide, 3-cyclopentyl-N-ethyl-

**Inchi:** InChI=1S/C10H19NO/c1-2-11-10(12)8-7-9-5-3-4-6-9/h9H,2-8H2,1H3,(H,11,12)  
**InchiKey:** DJCLNHOZASRPFI-UHFFFAOYSA-N  
**Formula:** C10H19NO  
**SMILES:** CCN=C(O)CCC1CCCC1  
**Mol. weight [g/mol]:** 169.26

## Physical Properties

Property code	Value	Unit	Source
hf	-269.05	kJ/mol	Joback Method
hvap	58.18	kJ/mol	Joback Method
log10ws	-2.64		Crippen Method
logp	2.933		Crippen Method
mcvol	152.450	ml/mol	McGowan Method
pc	2485.07	kPa	Joback Method
tb	612.22	K	Joback Method
tc	810.67	K	Joback Method

## Sources

**Joback Method:** [https://en.wikipedia.org/wiki/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=U407373&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## 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  
**tb:** Normal Boiling Point Temperature  
**tc:** Critical Temperature

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