

# Acetamide, N-[(4-methoxyphenyl)methyl]-

**Other names:** N-(p-Methoxybenzyl)acetamide

N-(4-Methoxybenzyl)acetamide

**Inchi:** InChI=1S/C10H13NO2/c1-8(12)11-7-9-3-5-10(13-2)6-4-9/h3-6H,7H2,1-2H3,(H,11,12)

**InchiKey:** VGCSNHYGZYURJQ-UHFFFAOYSA-N

**Formula:** C10H13NO2

**SMILES:** COc1ccc(CN=C(C)O)cc1

**Mol. weight [g/mol]:** 179.22

**CAS:** 35103-34-5

## Physical Properties

Property code	Value	Unit	Source
hf	-236.69	kJ/mol	Joback Method
hvap	63.28	kJ/mol	Joback Method
log10ws	-2.29		Crippen Method
logp	2.172		Crippen Method
mcvol	145.420	ml/mol	McGowan Method
pc	2808.38	kPa	Joback Method
rinpol	1701.90		NIST Webbook
rinpol	1701.90		NIST Webbook
tb	651.02	K	Joback Method
tc	860.75	K	Joback Method

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C35103345&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)

# Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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