

# Acetamide, n-(4-benzylphenyl)-

Inchi:	InChI=1S/C15H15NO/c1-12(17)16-15-9-7-14(8-10-15)11-13-5-3-2-4-6-13/h2-10H,11H2,17H
InchiKey:	CTXBUHYQQXXPOI-UHFFFAOYSA-N
Formula:	C15H15NO
SMILES:	CC(O)=Nc1ccc(Cc2ccccc2)cc1
Mol. weight [g/mol]:	225.29
CAS:	76472-81-6

## Physical Properties

Property code	Value	Unit	Source
hf	28.86	kJ/mol	Joback Method
hvap	74.27	kJ/mol	Joback Method
log10ws	-3.96		Crippen Method
logp	3.885		Crippen Method
mcvol	186.240	ml/mol	McGowan Method
pc	2453.17	kPa	Joback Method
tb	769.68	K	Joback Method
tc	1002.52	K	Joback Method

## Sources

**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)

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

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C76472816&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

<b>logP:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

Latest version available from:

<https://www.chemeo.com/cid/84-968-5/Acetamide-n-4-benzylphenyl.pdf>

Generated by Cheméo on 2024-04-10 23:27:48.812272705 +0000 UTC m=+15080917.732850022.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.