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,11H2,1
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: 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=C76472816&Units=SI

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