

# (E)-3-Phenyl-1-(piperidin-1-yl)prop-2-en-1-one

**Inchi:** InChI=1S/C14H17NO/c16-14(15-11-5-2-6-12-15)10-9-13-7-3-1-4-8-13/h1,3-4,7-10H,2,5-  
**InchiKey:** KNOXUMZPTHELAO-MDZDMXLPSA-N  
**Formula:** C14H17NO  
**SMILES:** O=C(C=Cc1cccc1)N1CCCCC1  
**Mol. weight [g/mol]:** 215.29  
**CAS:** 27845-72-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.05		Crippen Method
logp	2.712		Crippen Method
mcvol	180.750	ml/mol	McGowan Method
rinpol	2118.40		NIST Webbook
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## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C27845723&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices

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