

# 1-(Piperidin-1-yl)dodecan-1-one

**Inchi:** InChI=1S/C17H33NO/c1-2-3-4-5-6-7-8-9-11-14-17(19)18-15-12-10-13-16-18/h2-16H2,1H  
**InchiKey:** FGQSEPCQVURWHV-UHFFFAOYSA-N  
**Formula:** C17H33NO  
**SMILES:** CCCCCCCCCC(=O)N1CCCCC1  
**Mol. weight [g/mol]:** 267.45  
**CAS:** 22342-28-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.18		Crippen Method
logp	4.920		Crippen Method
mcvol	251.080	ml/mol	McGowan Method
rinpol	2200.60		NIST Webbook
rinpol	2183.00		NIST Webbook
rinpol	2200.60		NIST Webbook
rinpol	2183.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C22342285&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)

## Legend

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

Latest version available from:

<https://www.cheméo.com/cid/90-272-0/1-Piperidin-1-yl-dodecan-1-one.pdf>

Generated by Cheméo on 2024-04-28 21:00:21.943947718 +0000 UTC m=+16627270.864525034.

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