

# (2E,4E)-1-(Piperidin-1-yl)deca-2,4-dien-1-one

**Inchi:** InChI=1S/C15H25NO/c1-2-3-4-5-6-7-9-12-15(17)16-13-10-8-11-14-16/h6-7,9,12H,2-5,8,  
**InchiKey:** ZPSGREUUQGKDE-ZICOIJLXSA-N  
**Formula:** C15H25NO  
**SMILES:** CCCCCC=CC=CC(=O)N1CCCCC1  
**Mol. weight [g/mol]:** 235.37  
**CAS:** 42997-42-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.05		Crippen Method
logp	3.692		Crippen Method
mcvol	214.300	ml/mol	McGowan Method
rinpol	2149.60		NIST Webbook
rinpol	2140.00		NIST Webbook
rinpol	2140.00		NIST Webbook

## 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=C42997422&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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