

# Oxacyclotetradeca-4,11-diyne

**Other names:** Oxacyclotetradeca-4,11-diyne  
**Inchi:** InChI=1S/C13H18O/c1-2-4-6-8-10-12-14-13-11-9-7-5-3-1/h1-5,10-13H2  
**InchiKey:** ISEQOSOYOGJYOG-UHFFFAOYSA-N  
**Formula:** C13H18O  
**SMILES:** C1#CCCOCCC#CCCCC1  
**Mol. weight [g/mol]:** 190.28  
**CAS:** 6568-32-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.84		Crippen Method
logp	2.754		Crippen Method
mcvol	171.840	ml/mol	McGowan Method
rinpol	1639.00		NIST Webbook
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rinpol	1639.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C6568327&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)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

## 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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