

# Piperidine, 1-(1-oxo-9-octadecenyl)-

**Other names:** 9-Octadecenoyl piperidide  
**Inchi:** InChI=1S/C23H43NO/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-17-20-23(25)24-21-18-16-1  
**InchiKey:** MSYHTCRNDOWWKR-MDZDMXLPSA-N  
**Formula:** C23H43NO  
**SMILES:** CCCCCCCC=CCCCCCCC(=O)N1CCCCC1  
**Mol. weight [g/mol]:** 349.59  
**CAS:** 56630-42-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.54		Crippen Method
logp	7.036		Crippen Method
mcvol	331.320	ml/mol	McGowan Method
rinpol	2755.00		NIST Webbook
rinpol	2755.00		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=C56630423&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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