

# Oxymorphone

**Other names:**

7,8-Dihydro-14-hydroxymorphinone  
Morphinan-6-one, 4,5-epoxy-3,14-dihydroxy-17-methyl-, (5«alpha»)-  
Morphinan-6-one, 4,5«alpha»-epoxy-3,14-dihydroxy-17-methyl-  
(14S)-14-Hydroxydihydromorphinone  
Dihydro-14-hydroxymorphinone  
Dihydrohydroxymorphinone  
Numorphan  
14-Hydroxydihydromorphinone  
Morphinone, dihydro-14-hydroxy-  
Morphinan-6-one, 3,14-dihydroxy-4,5-«alpha»-epoxy-17-methyl-  
3,14-Dihydroxy-4,5-«alpha»-epoxy-17-methylmorphinan-6-one  
4,5«alpha»-Epoxy-3,14-dihydroxy-17-methylmorphinan-6-one  
Dihydroxymorphinone  
NSC 19045  
Oxymorphine  
Dihydro-14-hydroxymorphinone| 14-hydroxydihydromorphinone

**Inchi:**

InChI=1S/C17H19NO4/c1-18-7-6-16-13-9-2-3-10(19)14(13)22-15(16)11(20)4-5-17(16,21

**InchiKey:**

UQC�KQCJZOAFQTQ-UHFFFAOYSA-N

**Formula:**

C17H19NO4

**SMILES:**

CN1CCC23c4c5ccc(O)c4OC2C(=O)CCC3(O)C1C5

**Mol. weight [g/mol]:**

301.34

**CAS:**

76-41-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.96		Crippen Method
logp	0.745		Crippen Method
mcvol	212.350	ml/mol	McGowan Method
rinpol	2550.00		NIST Webbook
rinpol	2550.00		NIST Webbook
rinpol	2552.00		NIST Webbook
rinpol	2532.00		NIST Webbook
rinpol	2552.00		NIST Webbook
rinpol	2520.00		NIST Webbook
rinpol	2532.00		NIST Webbook

# Sources

<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C76415&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C76415&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

# Legend

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

Latest version available from:

<https://www.chemeo.com/cid/66-291-6/Oxymorphone.pdf>

Generated by Cheméo on 2024-04-21 14:15:17.906330072 +0000 UTC m=+15998166.826907389.

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