

# Methyldesorphine

<b>Other names:</b>	Morphinan-3-ol, 6,7-didehydro-4,5-epoxy-6,17-dimethyl-, (5«alpha»)- Morphinan-3-ol, 6,7-didehydro-4,5«alpha»-epoxy-6,17-dimethyl- Methyldesomorphine MK 57 6-Methyl-«DELTA»6-deoxy-morphine «DELTA»6-Deoxy-6-methylmorphine 3-Hydroxy-6,N-dimethyl-4,5-epoxymorphin-6-en
<b>Inchi:</b>	InChI=1S/C18H21NO2/c1-10-3-5-12-13-9-11-4-6-14(20)16-15(11)18(12,17(10)21-16)7-8
<b>InchiKey:</b>	CUFWYVOFDYVCPM-UHFFFAOYSA-N
<b>Formula:</b>	C18H21NO2
<b>SMILES:</b>	CC1=CCC2C3Cc4ccc(O)c5c4C2(CCN3C)C1O5
<b>Mol. weight [g/mol]:</b>	283.36
<b>CAS:</b>	16008-36-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.33		Crippen Method
logp	2.617		Crippen Method
mcvol	214.700	ml/mol	McGowan Method
rinpol	2305.00		NIST Webbook
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## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<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=C16008369&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C16008369&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

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

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