

# (Z)-N-Acetylanhydronarceine

**Inchi:** InChI=1S/C23H23NO8/c1-12(25)24-8-7-14-10-17-21(32-11-31-17)22(30-4)18(14)15(24)  
**InchiKey:** ZBARHYHPRYXSAN-DHDCSXOGSA-N  
**Formula:** C23H23NO8  
**SMILES:** COc1ccc(C=C2c3c(cc4c(c3OC)OCO4)CCN2C(C)=O)c(C(=O)O)c1OC  
**Mol. weight [g/mol]:** 441.43

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.08		Crippen Method
logp	3.042		Crippen Method
mcvol	309.730	ml/mol	McGowan Method
rinpol	3876.00		NIST Webbook
rinpol	3876.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R330857&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## 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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