

# [2H3]Dihydrozeatin, permethylated

**Other names:** Dihydrozeatin, permethylated  
**Inchi:** InChI=1S/C13H21N5O/c1-10(7-19-4)5-6-17(2)12-11-13(15-8-14-12)18(3)9-16-11/h8-10H  
**InchiKey:** UGMSICOXWWKJRQ-UHFFFAOYSA-N  
**Formula:** C13H21N5O  
**SMILES:** COCC(C)CCN(C)c1ncnc2c1ncn2C  
**Mol. weight [g/mol]:** 263.34

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.71		Crippen Method
logp	1.472		Crippen Method
mcvol	210.880	ml/mol	McGowan Method
rinpol	2224.00		NIST Webbook
rinpol	2225.00		NIST Webbook
rinpol	2223.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R270210&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)

## 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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