

# [2H5]trans-Zeatin riboside, permethylated

**Inchi:** InChI=1S/C20H31N5O5/c1-13(9-26-3)7-8-24(2)18-15-19(22-11-21-18)25(12-23-15)20-17  
**InchiKey:** PJXJSJFRHKGAAI-HQWSMVRZSA-N  
**Formula:** C20H31N5O5  
**SMILES:** COCC(C)=CCN(C)c1ncnc2c1ncn2C1OC(COC)C(OC)C1OC  
**Mol. weight [g/mol]:** 421.49

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.33		Crippen Method
logp	1.429		Crippen Method
mcvol	317.830	ml/mol	McGowan Method
rinpol	3089.00		NIST Webbook
rinpol	3089.00		NIST Webbook
rinpol	3089.00		NIST Webbook
rinpol	3084.00		NIST Webbook
rinpol	3084.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R270230&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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