

# Uric acid, methylated, # 2

**Inchi:** InChI=1S/C9H12N4O3/c1-12-5-6(13(2)9(12)14)10-8(16-4)11-7(5)15-3/h1-4H3  
**InchiKey:** NMOGPTRUWCBGQL-UHFFFAOYSA-N  
**Formula:** C9H12N4O3  
**SMILES:** COc1nc(OC)c2c(n1)n(C)c(=O)n2C  
**Mol. weight [g/mol]:** 224.22

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.05		Crippen Method
logp	-0.316		Crippen Method
mcvol	156.280	ml/mol	McGowan Method
rinpole	1934.00		NIST Webbook
rinpole	1934.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R488738&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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  
**rinpole:** Non-polar retention indices

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