

# 4(3H)-Quinazolinone, 3-(4-hydroxy-2-methylphenyl)-2-methyl-

**Other names:** 4(3H)-Quinazolinone, 3-(4-hydroxy-o-tolyl)-2-methyl-4'-Hydroxymethaqualone  
3-(4-Hydroxy-2-methylphenyl)-2-methyl-4(3H)-quinazolinone  
2-Methyl-3-(4-hydroxy-2-methylphenyl)-3,4-dihydroquinazolin-4-one  
Methaqualone M (4'-OH)

**Inchi:** InChI=1S/C16H14N2O2/c1-10-9-12(19)7-8-15(10)18-11(2)17-14-6-4-3-5-13(14)16(18)20

**InchiKey:** HIYZKXXSRNPSQJ-UHFFFAOYSA-N

**Formula:** C16H14N2O2

**SMILES:** Cc1cc(O)ccc1-n1c(C)nc2cccc2c1=O

**Mol. weight [g/mol]:** 266.29

**CAS:** 5060-52-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.62		Crippen Method
logp	2.708		Crippen Method
mcvol	201.020	ml/mol	McGowan Method
rinsol	2530.00		NIST Webbook

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C5060526&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## 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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