

# 2-Hydroxymethyl-3-(o-tolyl)-4(3H)-quinazolinone (Methaqualone M)

InChI: 1S O=C1NC(=O)c2ccccc2NC1CO  
InChIKey: PGUWKXVEZRTIRQ-UHFFFAOYSA-N  
Formula: C<sub>16</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>  
SMILES: Cc1ccccc1N1C(=O)c2ccccc2NC1CO  
Mol. weight [g/mol]: 268.31

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.60		Crippen Method
logp	2.386		Crippen Method
mcvol	205.320	ml/mol	McGowan Method
rinpole	2360.00		NIST Webbook
rinpole	2360.00		NIST Webbook

## Sources

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)  
McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>  
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R536768&Units=SI>

## 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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