

# 4(3H)-Quinazolinone, 2,3-dimethyl-

<b>Other names:</b>	2,3-Dimethyl-4(3H)-quinazolinone Dimethylquinazolone Quinazolin-4(3H)-one, 2,3-dimethyl- 4-Quinazolone, 2,3-dimethyl Quinazolin-4-one, 2,3-dimethyl
<b>Inchi:</b>	InChI=1S/C10H10N2O/c1-7-11-9-6-4-3-5-8(9)10(13)12(7)2/h3-6H,1-2H3
<b>InchiKey:</b>	DCKUAHKIBNUXHX-UHFFFAOYSA-N
<b>Formula:</b>	C10H10N2O
<b>SMILES:</b>	Cc1nc2ccccc2c(=O)n1C
<b>Mol. weight [g/mol]:</b>	174.20
<b>CAS:</b>	1769-25-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.23		Crippen Method
logp	1.242		Crippen Method
mcvol	134.370	ml/mol	McGowan Method
rinpol	1733.00		NIST Webbook
rinpol	1733.00		NIST Webbook
rinpol	1733.00		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1769251&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1769251&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

## 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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