

# 4-Quinolinecarboxaldehyde

<b>Other names:</b>	Quinoline-4-carboxaldehyde Cinchoninaldehyde quinoline-4-carbaldehyde
<b>Inchi:</b>	InChI=1S/C10H7NO/c12-7-8-5-6-11-10-4-2-1-3-9(8)10/h1-7H
<b>InchiKey:</b>	MGCGJBXTNWUHQE-UHFFFAOYSA-N
<b>Formula:</b>	C10H7NO
<b>SMILES:</b>	O=Cc1ccnc2ccccc12
<b>Mol. weight [g/mol]:</b>	157.17
<b>CAS:</b>	4363-93-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.28		Crippen Method
logp	2.047		Crippen Method
mcvol	120.090	ml/mol	McGowan Method
rinpol	1494.20		NIST Webbook
rinpol	1526.00		NIST Webbook
rinpol	1494.20		NIST Webbook
rinpol	1526.00		NIST Webbook

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C4363933&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4363933&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume

**rinpol:** Non-polar retention indices

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