

# 2-Quinolinecarboxylic acid

<b>Other names:</b>	Quinaldic acid Quinaldinic acid Quinoline-2-carboxylic acid
<b>Inchi:</b>	InChI=1S/C10H7NO2/c12-10(13)9-6-5-7-3-1-2-4-8(7)11-9/h1-6H,(H,12,13)
<b>InchiKey:</b>	LOAUVZALPPNFOQ-UHFFFAOYSA-N
<b>Formula:</b>	C10H7NO2
<b>SMILES:</b>	O=C(O)c1ccc2ccccc2n1
<b>Mol. weight [g/mol]:</b>	173.17
<b>CAS:</b>	93-10-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.09		Aqueous Solubility Prediction Method
logp	1.933		Crippen Method
mcvol	125.960	ml/mol	McGowan Method
tf	429.82	K	Aqueous Solubility Prediction Method

## 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>Aqueous Solubility Prediction Method:</b>	<a href="http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa">http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa</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=C93107&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C93107&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>tf:</b>	Normal melting (fusion) point

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