

# 8-Quinolinesulfonyl chloride

<b>Other names:</b>	8-Chlorosulfonyl-1-benzazine 8-Quinolylsulfonyl chloride Quinoline-8-sulfonyl chloride Quinoline-8-sulfonic acid chloride Sulfonyl chloride, 8-quinoline-quinoline-8-sulphonyl chloride
<b>Inchi:</b>	InChI=1S/C9H6ClNO2S/c10-14(12,13)8-5-1-3-7-4-2-6-11-9(7)8/h1-6H
<b>InchiKey:</b>	JUYUYCIJACTHMK-UHFFFAOYSA-N
<b>Formula:</b>	C9H6ClNO2S
<b>SMILES:</b>	O=S(=O)(Cl)c1cccc2cccnc12
<b>Mol. weight [g/mol]:</b>	227.67
<b>CAS:</b>	18704-37-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.46		Crippen Method
logp	2.162		Crippen Method
mcvol	144.760	ml/mol	McGowan 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>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=C18704375&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C18704375&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

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