

# 2,3-Dimethylquinoxaline 1,4-dioxide

<b>Other names:</b>	E-130 Quinoxaline, 2,3-dimethyl-, 1,4-dioxide 2,3-Dimethylquinoxaline dioxide 2,3-Dimethylquinoxaline di-N-oxide 2,3-Dimethylquinoxaline N,N'-dioxide
<b>Inchi:</b>	InChI=1S/C10H10N2O2/c1-7-8(2)12(14)10-6-4-3-5-9(10)11(7)13/h3-6H,1-2H3
<b>InchiKey:</b>	SRDQSYZOPRMHHM-UHFFFAOYSA-N
<b>Formula:</b>	C10H10N2O2
<b>SMILES:</b>	Cc1c(C)[n+](O)c2cccc2[n+]1O
<b>Mol. weight [g/mol]:</b>	190.20
<b>CAS:</b>	5432-74-6

## Physical Properties

Property code	Value	Unit	Source
hsub	124.40 ± 2.70	kJ/mol	NIST Webbook
log10ws	-7.28		Crippen Method
logp	0.723		Crippen Method
mvol	140.240	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=C5432746&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5432746&amp;Units=SI</a>

## Legend

<b>hsub:</b>	Enthalpy of sublimation at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume

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