

# Quinoline, 8-methyl-5-(1-methylethyl)

**Inchi:** InChI=1S/C13H15N/c1-9(2)11-7-6-10(3)13-12(11)5-4-8-14-13/h4-9H,1-3H3  
**InchiKey:** CODKEMBFGZTJIG-UHFFFAOYSA-N  
**Formula:** C13H15N  
**SMILES:** Cc1ccc(C(C)C)c2cccnc12  
**Mol. weight [g/mol]:** 185.26

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.70		Crippen Method
logp	3.667		Crippen Method
mcvol	160.790	ml/mol	McGowan Method
rinpol	1560.00		NIST Webbook
rinpol	1574.00		NIST Webbook
rinpol	1560.00		NIST Webbook
ripol	2135.00		NIST Webbook
ripol	2164.00		NIST Webbook
ripol	2135.00		NIST Webbook
ripol	2164.00		NIST Webbook
ripol	2135.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R37286&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices  
**ripol:** Polar retention indices

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