

# 4-Quinazolone, 2-ethyl

**Inchi:** InChI=1S/C10H10N2O/c1-2-9-11-8-6-4-3-5-7(8)10(13)12-9/h3-6H,2H2,1H3,(H,11,12,13)  
**InchiKey:** LUANCFNZZLKBOQ-UHFFFAOYSA-N  
**Formula:** C10H10N2O  
**SMILES:** CCc1nc(O)c2cccc2n1  
**Mol. weight [g/mol]:** 174.20

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.16		Crippen Method
logp	1.898		Crippen Method
mcvol	134.370	ml/mol	McGowan Method
rinpol	1788.00		NIST Webbook
rinpol	1788.00		NIST Webbook
rinpol	1788.00		NIST Webbook
rinpol	1788.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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=R64411&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

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