

# 1-Naphthoic acid, morpholide

**Inchi:** InChI=1S/C15H15NO2/c17-15(16-8-10-18-11-9-16)14-7-3-5-12-4-1-2-6-13(12)14/h1-7H,  
**InchiKey:** FEMQUQKOEUMPIA-UHFFFAOYSA-N  
**Formula:** C15H15NO2  
**SMILES:** O=C(c1cccc2ccccc12)N1CCOCC1  
**Mol. weight [g/mol]:** 241.29

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.24		Crippen Method
logp	2.312		Crippen Method
mcvol	185.550	ml/mol	McGowan Method
rinsol	2158.00		NIST Webbook
rinsol	2158.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U307403&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinsol:** Non-polar retention indices

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