

# QUINIDINE, M(N-OXIDE), AC

**Inchi:** InChI=1S/C22H26N2O4/c1-4-15-13-23-9-7-16(15)11-21(23)22(28-14(2)25)18-8-10-24(2)  
**InchiKey:** PKNXGPMPZBOFTH-CWFBCUTFSA-N  
**Formula:** C22H26N2O4  
**SMILES:** C=CC1CN2CCC1CC2C(OC(C)=O)c1cc[n+](O)c2ccc(OC)cc12  
**Mol. weight [g/mol]:** 382.45

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.08		Crippen Method
logp	2.982		Crippen Method
mcvol	290.740	ml/mol	McGowan Method
rinpol	2935.00		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=R255424&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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