

# (Z) 9-(2[2,5-Dimethylphenyl]ethenyl)acridine

**Inchi:** InChI=1S/C23H19N/c1-16-11-12-17(2)18(15-16)13-14-19-20-7-3-5-9-22(20)24-23-10-6-4  
**InchiKey:** QWGCSWYZTSINFL-YPKPFQOOSA-N  
**Formula:** C23H19N  
**SMILES:** Cc1ccc(C)c(C=Cc2c3ccccc3nc3ccccc23)c1  
**Mol. weight [g/mol]:** 309.40  
**CAS:** 88332-46-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-8.40		Crippen Method
logp	6.175		Crippen Method
mcvol	254.170	ml/mol	McGowan Method

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C88332461&Units=SI>  
**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>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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