(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/ci990307l

Crippen Method: 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