(Z) 9-(2[3,5-Dimethylphenyl]ethenyl)acridine

Inchi: InChI=1S/C23H19N/c1-16-13-17(2)15-18(14-16)11-12-19-20-7-3-5-9-22(20)24-23-10-6-4

InchiKey: ZUTGIWMIEXMSGV-QXMHVHEDSA-N

Formula: C23H19N

SMILES: Cc1cc(C)cc(C=Cc2c3ccccc3nc3ccccc23)c1

Mol. weight [g/mol]: 309.40

CAS: 88332-47-2

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

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C88332472&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume