

Naphtho[2,1-b]thiophene, 8-methyl

Other names: Naphtho[2.1-b]thiophene, 8-methyl
Inchi: InChI=1S/C13H10S/c1-9-2-3-10-4-5-13-11(6-7-14-13)12(10)8-9/h2-8H,1H3
InchiKey: XPYMKFHKEJLLNZ-UHFFFAOYSA-N
Formula: C13H10S
SMILES: Cc1ccc2ccc3sccc3c2c1
Mol. weight [g/mol]: 198.28

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.31		Crippen Method
logp	4.363		Crippen Method
mcvol	152.000	ml/mol	McGowan Method
rinpol	319.86		NIST Webbook
rinpol	317.18		NIST Webbook
rinpol	319.86		NIST Webbook

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=R21635&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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