

2,3,5-trimethyl-benzothiophene

Other names: Benzothiophene, 2,3,5-trimethyl
Inchi: InChI=1S/C11H12S/c1-7-4-5-11-10(6-7)8(2)9(3)12-11/h4-6H,1-3H3
InchiKey: HDASTMVROAGIQK-UHFFFAOYSA-N
Formula: C11H12S
SMILES: Cc1ccc2sc(C)c(C)c2c1
Mol. weight [g/mol]: 176.28

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.46		Crippen Method
logp	3.827		Crippen Method
mcvol	143.280	ml/mol	McGowan Method
rinpola	263.00		NIST Webbook

Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R85974&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpola: Non-polar retention indices

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