

Benzo[b]naphtho[2,3]thiophene, 10-methyl

Other names: Benzo[b]naphtho[2,3-d]thiophene, 10-methyl-
Inchi: InChI=1S/C17H12S/c1-11-5-4-6-12-9-17-15(10-14(11)12)13-7-2-3-8-16(13)18-17/h2-10H
InchiKey: ZPIZLHPKEHPHNX-UHFFFAOYSA-N
Formula: C17H12S
SMILES: Cc1cccc2cc3sc4ccccc4c3cc12
Mol. weight [g/mol]: 248.34
CAS: 83669-51-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.12		Crippen Method
logp	5.516		Crippen Method
mcvol	188.900	ml/mol	McGowan Method
rinpol	412.11		NIST Webbook
rinpol	414.26		NIST Webbook
rinpol	413.13		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=C83669516&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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