# 10-Methylphenanthro[2,1-b]thiophene

**Other names:** Phenanthro[2,1-b]thiophene, 10-methyl
**Inchi:** InChI=1S/C17H12S/c1-11-10-16-14(8-9-18-16)15-7-6-12-4-2-3-5-13(12)17(11)15/h2-10H
**InchiKey:** ZJUVQEAZKUGHFR-UHFFFAOYSA-N
**Formula:** C17H12S
**SMILES:** Cc1cc2sccc2c2ccc3ccccc3c12
**Mol. weight [g/mol]:** 248.34
**CAS:** 79966-04-4

## 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 | 422.14 | | NIST Webbook |
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## Sources

**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=C79966044&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

## 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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