

# Acenaphtho[4,3-b]thiophene

**Inchi:** InChI=1S/C14H10S/c1-2-9-4-5-12-13(9)10(3-1)8-11-6-7-15-14(11)12/h1-3,6-8H,4-5H2  
**InchiKey:** SCTAIVTUMPXJFZ-UHFFFAOYSA-N  
**Formula:** C14H10S  
**SMILES:** c1cc2c3c(c4sccc4cc3c1)CC2  
**Mol. weight [g/mol]:** 210.29

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -5.50   |        | Crippen Method |
| logp          | 4.153   |        | Crippen Method |
| mcvol         | 155.230 | ml/mol | McGowan Method |
| rinpol        | 343.19  |        | NIST Webbook   |
| rinpol        | 343.19  |        | NIST Webbook   |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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=R131412&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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