

# Phenanthro[4,5-b]thiophene, 2-methyl

**Inchi:** InChI=1S/C15H10S/c1-9-7-11-6-5-10-3-2-4-12-14(10)15(11)13(8-9)16-12/h2-8H,1H3  
**InchiKey:** QSXSICMGBGHXOK-UHFFFAOYSA-N  
**Formula:** C15H10S  
**SMILES:** Cc1cc2ccc3cccc4sc(c1)c2c34  
**Mol. weight [g/mol]:** 222.31

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.53		Crippen Method
logp	4.954		Crippen Method
mcvol	165.020	ml/mol	McGowan Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.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=R643113&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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