

# Benzo[b]naphtho[1,2]thiophene, 4-methyl

**Other names:** Benzo[b]naphtho[1,2-d]thiophene, 4-methyl  
**Inchi:** InChI=1S/C17H12S/c1-11-5-4-7-13-12(11)9-10-16-17(13)14-6-2-3-8-15(14)18-16/h2-10H  
**InchiKey:** LZLSFQYPDPVVKKN-UHFFFAOYSA-N  
**Formula:** C17H12S  
**SMILES:** Cc1cccc2c1ccc1sc3cccc3c12  
**Mol. weight [g/mol]:** 248.34

## 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	415.41		NIST Webbook
rinpol	414.04		NIST Webbook
rinpol	415.41		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R21194&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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>

## 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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