

# 2-Methyl-5-tridecylthiophene

**Other names:** Thiophene, 2-methyl-5-tridecyl  
**Inchi:** InChI=1S/C18H32S/c1-3-4-5-6-7-8-9-10-11-12-13-14-18-16-15-17(2)19-18/h15-16H,3-14H  
**InchiKey:** QELIGOTUMMUMBZ-UHFFFAOYSA-N  
**Formula:** C18H32S  
**SMILES:** CCCCCCCCCCCCCc1ccc(C)s1  
**Mol. weight [g/mol]:** 280.51

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.11		Crippen Method
logp	6.910		Crippen Method
mcvol	261.370	ml/mol	McGowan Method
rinpol	2066.00		NIST Webbook
rinpol	2069.00		NIST Webbook
rinpol	2069.10		NIST Webbook
rinpol	2066.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R41851&Units=SI>  
**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)

## 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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