

# Thiophene, 3-(1-methylethyl)-

**Other names:** 3-(1-methylethyl)thiophene  
**Inchi:** InChI=1S/C7H10S/c1-6(2)7-3-4-8-5-7/h3-6H,1-2H3  
**InchiKey:** LJPDBPCGTFTUDE-UHFFFAOYSA-N  
**Formula:** C7H10S  
**SMILES:** CC(C)c1ccsc1  
**Mol. weight [g/mol]:** 126.22  
**CAS:** 29488-27-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.41		Crippen Method
logp	2.871		Crippen Method
mcvol	106.380	ml/mol	McGowan Method
tb	428.70 ± 0.80	K	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C29488275&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)  
**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  
**tb:** Normal Boiling Point Temperature

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