

# Triophene-2-thiol, n-propyl ether

**Other names:** Thiophene, 2-propylthio  
**Inchi:** InChI=1S/C7H10S2/c1-2-5-8-7-4-3-6-9-7/h3-4,6H,2,5H2,1H3  
**InchiKey:** PMVPROQBFKKAOA-UHFFFAOYSA-N  
**Formula:** C7H10S2  
**SMILES:** CCCSc1cccs1  
**Mol. weight [g/mol]:** 158.28

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.81		Crippen Method
logp	3.250		Crippen Method
mcvol	122.730	ml/mol	McGowan Method
rinpol	1197.00		NIST Webbook
rinpol	1202.00		NIST Webbook
rinpol	1191.00		NIST Webbook
rinpol	1197.00		NIST Webbook
rinpol	1188.00		NIST Webbook
rinpol	1207.00		NIST Webbook
rinpol	1188.00		NIST Webbook
rinpol	1185.00		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=U395088&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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