

# Thiophene-2-carboxylic acid, morpholide

**Inchi:** InChI=1S/C9H11NO2S/c11-9(8-2-1-7-13-8)10-3-5-12-6-4-10/h1-2,7H,3-6H2  
**InchiKey:** KEURMBHCSFCXSF-UHFFFAOYSA-N  
**Formula:** C9H11NO2S  
**SMILES:** O=C(c1cccs1)N1CCOCC1  
**Mol. weight [g/mol]:** 197.25

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.19		Crippen Method
logp	1.221		Crippen Method
mcvol	141.120	ml/mol	McGowan Method
rinpole	1679.00		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=U307066&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpole:** Non-polar retention indices

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