

# 2-Thiopheneacetamide, N-dodecyl-

**Inchi:** InChI=1S/C18H31NOS/c1-2-3-4-5-6-7-8-9-10-11-14-19-18(20)16-17-13-12-15-21-17/h12  
**InchiKey:** DQUCANIJNIZATM-UHFFFAOYSA-N  
**Formula:** C18H31NOS  
**SMILES:** CCCCCCCCCCN=C(O)Cc1cccs1  
**Mol. weight [g/mol]:** 309.51

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.04		Crippen Method
logp	6.168		Crippen Method
mcvol	272.920	ml/mol	McGowan Method
rinpol	2555.00		NIST Webbook
rinpol	2555.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U407017&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  
**rinpol:** Non-polar retention indices

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