

# 2-Thiopheneacetamide, N,N-didecyl-

**Inchi:** InChI=1S/C26H47NOS/c1-3-5-7-9-11-13-15-17-21-27(26(28)24-25-20-19-23-29-25)22-1  
**InchiKey:** FQXXNJNTKODNRQ-UHFFFAOYSA-N  
**Formula:** C<sub>26</sub>H<sub>47</sub>NOS  
**SMILES:** CCCCCCCCCCN(CCCCCCCCCC)C(=O)Cc1cccs1  
**Mol. weight [g/mol]:** 421.72

## Physical Properties

Property code	Value	Unit	Source
log10ws	-8.75		Crippen Method
logp	8.401		Crippen Method
mcvol	385.640	ml/mol	McGowan Method
rinpol	3189.00		NIST Webbook
rinpol	3189.00		NIST Webbook

## Sources

**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=U308144&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## 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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