

# Thiophene-2-carboxamide, N-decyl-N-methyl-

**Inchi:** InChI=1S/C16H27NOS/c1-3-4-5-6-7-8-9-10-13-17(2)16(18)15-12-11-14-19-15/h11-12,14  
**InchiKey:** ATTGGPSLXJGPME-UHFFFAOYSA-N  
**Formula:** C16H27NOS  
**SMILES:** CCCCCCCCCN(C)C(=O)c1cccs1  
**Mol. weight [g/mol]:** 281.46

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.14		Crippen Method
logp	4.961		Crippen Method
mcvol	244.740	ml/mol	McGowan Method
rmpol	2239.00		NIST Webbook
rmpol	2239.00		NIST Webbook

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U308193&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## Legend

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

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