

# 2-Thiophenecarboxamide, N-decyl-N-(2-thiophenecarbonyl)-

**Inchi:** InChI=1S/C20H27NO2S2/c1-2-3-4-5-6-7-8-9-14-21(19(22)17-12-10-15-24-17)20(23)18-1  
**InchiKey:** GMJHNIGGUVIDLQ-UHFFFAOYSA-N  
**Formula:** C20H27NO2S2  
**SMILES:** CCCCCCCCCCN(C(=O)c1cccs1)C(=O)c1cccs1  
**Mol. weight [g/mol]:** 377.56

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.86		Crippen Method
logp	6.233		Crippen Method
mcvol	299.560	ml/mol	McGowan Method
rinpol	2906.00		NIST Webbook
rinpol	2906.00		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=U407046&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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