

# Thiophene-2-carboxamide, N,N-dioctyl-

**Inchi:** InChI=1S/C21H37NOS/c1-3-5-7-9-11-13-17-22(18-14-12-10-8-6-4-2)21(23)20-16-15-19-  
**InchiKey:** JKUXXIYXMXHWQH-UHFFFAOYSA-N  
**Formula:** C21H37NOS  
**SMILES:** CCCCCCCCN(CCCCCCCC)C(=O)c1cccs1  
**Mol. weight [g/mol]:** 351.59

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.23		Crippen Method
logp	6.911		Crippen Method
mcvol	315.190	ml/mol	McGowan Method
rinpol	2607.00		NIST Webbook
rinpol	2607.00		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=U308197&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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