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

**Inchi:** InChI=1S/C15H17NO2S2/c1-2-3-4-9-16(14(17)12-7-5-10-19-12)15(18)13-8-6-11-20-13/h
**InchiKey:** OFCLUQWUWOGCBJ-UHFFFAOYSA-N
**Formula:** C15H17NO2S2
**SMILES:** CCCCCN(C(=O)c1cccs1)C(=O)c1cccs1
**Mol. weight [g/mol]:** 307.43

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -4.77 | | Crippen Method |
| logp | 4.282 | | Crippen Method |
| mcvol | 229.110 | ml/mol | McGowan Method |
| rinpol | 2367.00 | | NIST Webbook |
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## Sources

**Crippen Method:** 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=U407040&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

## 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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