# 2-Thiopheneacetamide, N,N-dioctyl-

**Inchi:** InChI=1S/C22H39NOS/c1-3-5-7-9-11-13-17-23(18-14-12-10-8-6-4-2)22(24)20-21-16-15-
**InchiKey:** SNYHNVKAQQRKLK-UHFFFAOYSA-N
**Formula:** C22H39NOS
**SMILES:** CCCCCCCCN(CCCCCCCC)C(=O)Cc1cccs1
**Mol. weight [g/mol]:** 365.62

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -7.07 | | Crippen Method |
| logp | 6.840 | | Crippen Method |
| mcvol | 329.280 | ml/mol | McGowan Method |
| rinpol | 2688.00 | | 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=U308142&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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