

# 2-Thiopheneacetamide, N-octadecyl-

**Inchi:** InChI=1S/C24H43NOS/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-20-25-24(26)22-23-  
**InchiKey:** FTPNRTNJPNDQOW-UHFFFAOYSA-N  
**Formula:** C24H43NOS  
**SMILES:** CCCCCCCCCCCCCCCCCCN=C(O)Cc1cccs1  
**Mol. weight [g/mol]:** 393.67

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -8.55   |        | Crippen Method |
| logp          | 8.509   |        | Crippen Method |
| mcvol         | 357.460 | ml/mol | McGowan Method |
| rinpol        | 3199.00 |        | NIST Webbook   |
| rinpol        | 3199.00 |        | NIST Webbook   |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U407020&Units=SI>  
**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>

## 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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