

# Sarcosine, N-(2-thienylcarbonyl)-, tetradecyl ester

**Inchi:** InChI=1S/C22H37NO3S/c1-3-4-5-6-7-8-9-10-11-12-13-14-17-26-21(24)19-23(2)22(25)20  
**InchiKey:** SACMUAJKMGPHMR-UHFFFAOYSA-N  
**Formula:** C22H37NO3S  
**SMILES:** CCCCCCCCCCCCCOC(=O)CN(C)C(=O)c1cccs1  
**Mol. weight [g/mol]:** 395.60

## Physical Properties

| Property code | Value   | Unit   | Source         |
|---------------|---------|--------|----------------|
| log10ws       | -6.51   |        | Crippen Method |
| logp          | 6.064   |        | Crippen Method |
| mcvol         | 336.720 | ml/mol | McGowan Method |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U321474&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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

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