

# 2-Thiopheneacetamide, N,N-bis(2-ethylhexyl)-

**Inchi:** InChI=1S/C22H39NOS/c1-5-9-12-19(7-3)17-23(18-20(8-4)13-10-6-2)22(24)16-21-14-11-10-3-2  
**InchiKey:** ZXTKFAFNIBABHD-UHFFFAOYSA-N  
**Formula:** C22H39NOS  
**SMILES:** CCCCC(CC)CN(CC(CC)CCCC)C(=O)Cc1cccs1  
**Mol. weight [g/mol]:** 365.62

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.59		Crippen Method
logp	6.552		Crippen Method
mcvol	329.280	ml/mol	McGowan Method
rinpol	2453.00		NIST Webbook
rinpol	2453.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U308139&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.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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