Sarcosine, N-(2-thienylcarbonyl)-, dodecyl ester

Inchi: InChI=1S/C20H33NO3S/c1-3-4-5-6-7-8-9-10-11-12-15-24-19(22)17-21(2)20(23)18-14-13

InchiKey: YTZFISPKTNLFTG-UHFFFAOYSA-N

Formula: C20H33NO3S

SMILES: CCCCCCCCCCCCOC(=O)CN(C)C(=O)c1cccs1

Mol. weight [g/mol]: 367.55

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.68		Crippen Method
logp	5.284		Crippen Method
mcvol	308.540	ml/mol	McGowan Method
rinpol	2917.00		NIST Webbook
rinpol	2917.00		NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U321473&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

rinpol: Non-polar retention indices

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.