Thiophene-2-carboxamide, N-ethyl-N-tetradecyl-

Inchi: InChI=1S/C21H37NOS/c1-3-5-6-7-8-9-10-11-12-13-14-15-18-22(4-2)21(23)20-17-16-19-

InchiKey: XPWKAJYQYHMBHF-UHFFFAOYSA-N

Formula: C21H37NOS

SMILES: CCCCCCCCCCCCCCN(CC)C(=O)c1cccs1

Mol. weight [g/mol]: 351.59

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.23		Crippen Method
logp	6.911		Crippen Method
mcvol	315.190	ml/mol	McGowan Method
rinpol	3166.00		NIST Webbook
rinpol	3166.00		NIST Webbook

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=U415316&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

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