

Thiophene-2-carboxamide, N,N-didecyl-

Inchi: InChI=1S/C25H45NOS/c1-3-5-7-9-11-13-15-17-21-26(25(27)24-20-19-23-28-24)22-18-1
InchiKey: DIYXMSMQDQGBSP-UHFFFAOYSA-N
Formula: C25H45NOS
SMILES: CCCCCCCCCCN(CCCCCCCCCC)C(=O)c1cccs1
Mol. weight [g/mol]: 407.70

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.91		Crippen Method
logp	8.472		Crippen Method
mcvol	371.550	ml/mol	McGowan Method
rinsol	3067.00		NIST Webbook
rinsol	3067.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U308199&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: 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
rinsol: Non-polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/95-422-8/Thiophene-2-carboxamide-N-N-didecyl.pdf>

Generated by Cheméo on 2024-04-25 21:17:45.964137769 +0000 UTC m=+16369114.884715084.

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