DIMETHENAMID

Other names: Acetamide, 2-chloro-N-(2,4-dimethyl-3-thienyl)-N-(2-methoxy-1-methylethyl)-
Inchi: InChI=1S/C12H18ClNO2S/c1-8-7-17-10(3)12(8)14(11(15)5-13)9(2)6-16-4/h7,9H,5-6H2,1
InchiKey: JLYFCTQDENRSOL-UHFFFAOYSA-N
Formula: C12H18ClNO2S
SMILES: COCC(C)N(C(=O)CCl)c1c(C)csc1C
Mol. weight [g/mol]: 275.80

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.71		Cheméo Relay (1.0)
logp	2.972		Crippen Method
mcvol	206.490	ml/mol	McGowan Method
rinpol	1875.00		NIST Webbook
rinpol	1875.00		NIST Webbook
tf	305.00	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C87674688&Units=SI
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices

tf: Normal melting (fusion) point