

N-(p-chlorophenylsulfonyl)-2-furamide

Inchi:	InChI=1S/C11H8ClNO4S/c12-8-3-5-9(6-4-8)18(15,16)13-11(14)10-2-1-7-17-10/h1-7H,(H
InchiKey:	YJBPPIAVQODVQY-UHFFFAOYSA-N
Formula:	C11H8ClNO4S
SMILES:	O=C(NS(=O)(=O)c1ccc(Cl)cc1)c1ccco1
Mol. weight [g/mol]:	285.70
CAS:	56059-65-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.73		Crippen Method
logp	2.052		Crippen Method
mcvol	180.380	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C56059655&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.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

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<https://www.chemeo.com/cid/12-703-7/N-p-chlorophenylsulfonyl-2-furamide.pdf>

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