

2-Furoic acid, 5-nitro-, 1-phenylhydrazide

Inchi:	InChI=1S/C11H9N3O4/c12-13(8-4-2-1-3-5-8)11(15)9-6-7-10(18-9)14(16)17/h1-7H,12H2
InchiKey:	FDHAJEXURHGXFY-UHFFFAOYSA-N
Formula:	C11H9N3O4
SMILES:	NN(C(=O)c1ccc([N+](=O)[O-])o1)c1ccccc1
Mol. weight [g/mol]:	247.21
CAS:	103856-73-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.74		Crippen Method
logp	1.708		Crippen Method
mcvol	167.450	ml/mol	McGowan Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C103856731&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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