

1-Formyl-2(5'-nitro-2'-furoyl)hydrazine

Inchi:	InChI=1S/C6H5N3O5/c10-3-7-8-6(11)4-1-2-5(14-4)9(12)13/h1-3H,(H,7,10)(H,8,11)
InchiKey:	OAWDFLGEIIEITY-UHFFFAOYSA-N
Formula:	C6H5N3O5
SMILES:	O=CNNC(=O)c1ccc([N+](=O)[O-])o1
Mol. weight [g/mol]:	199.12
CAS:	3679-78-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.16		Crippen Method
logp	-0.421		Crippen Method
mcvol	122.330	ml/mol	McGowan Method

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=C3679785&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

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