

N-(5-nitro-2-furoyl)-n'-(isopropylidene)hydrazine

Inchi:	InChI=1S/C8H9N3O4/c1-5(2)9-10-8(12)6-3-4-7(15-6)11(13)14/h3-4H,1-2H3,(H,10,12)
InchiKey:	RCBCNXKAQZHAKY-UHFFFAOYSA-N
Formula:	C8H9N3O4
SMILES:	CC(C)=NNC(=O)c1ccc([N+](=O)[O-])o1
Mol. weight [g/mol]:	211.17
CAS:	13281-50-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.19		Crippen Method
logp	1.313		Crippen Method
mcvol	144.640	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=C13281500&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

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