

5-Nitro-2-furaldoxime

Other names:	2-Furancarboxaldehyde, 5-nitro-, oxime 2-Furaldehyde, 5-nitro-, oxime 2-Furaldoxime, 5-nitro- 5-Nitro-2-furaldehyde oxime USAF EA-5
Inchi:	InChI=1S/C5H4N2O4/c8-6-3-4-1-2-5(11-4)7(9)10/h1-3,8H
InchiKey:	PTBKFATYSVLSSD-UHFFFAOYSA-N
Formula:	C5H4N2O4
SMILES:	O=[N+](O-)c1ccc(C=NO)o1
Mol. weight [g/mol]:	156.10
CAS:	555-15-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.16		Crippen Method
logp	0.996		Crippen Method
mcvol	96.690	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=C555157&Units=SI&Mask=3FFF
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

Latest version available from:

<https://www.chemeo.com/cid/124-682-7/5-Nitro-2-furaldoxime.pdf>

Generated by Cheméo on 2024-04-28 12:58:44.463908914 +0000 UTC m=+16598373.384486227.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.