

Furazolidone

Other names: 2-Oxazolidinone, 3-[[[(5-nitro-2-furanyl)methylene]amino]-
Coryzium
Diafuron
Furall
Furaxon
Furaxone
Furazol
Furazolidine
Furazolidon
Furazon
Furidon
Furoxal
Furoxane
Furoxon
Furoxone
Furoxone Swine Mix
Furozolidine
Giardil
Giarlam
Medaron
N-(5-Nitro-2-furfurylidene)-3-amino-2-oxazolidone
Neftin
Nicolen
Nifulidone
Nitrofurazolidone
Nitrofuroxon
NF 180
Optazol
Ortazol
Puradin
Roptazol
Tikofuran
Topazone
Trichofuron
Tricofuron
Tricoron
Trifurox
USAF EA-1
2-Furanmethanimine, 5-nitro-N-(2-oxo-3-oxazolidinyl)-
2-Oxazolidinone, 3-((5-nitrofurfurylidene)amino)-

2-Oxazolidinone, 3-((5-nitrofurfurylidene)amino)-
 3-(5'-Nitrofurfuralamino)-2-oxazolidone
 3-((5-Nitrofurfurylidene)amino)-2-oxazolidinone
 3-((5-Nitrofurfurylidene)amino)-2-oxazolidone
 3-((5-Nitrofurylidene)amino)-2-oxazolidone
 Bifuron
 Corizium
 Enterotoxon
 Furovag
 Furox
 NF 180 custom mix ten
 Nifuran
 3-(((5-Nitro-2-furanyl)methylene)amino)-2-oxazolidinone
 Nitrofurazolidonum
 N-(5-Nitro-2-furfurylidene)-3-aminooxazolidine-2-one
 5-Nitro-N-(2-oxo-3-oxazolidinyl)-2-furanmethanimine
 Sclaventerol
 Viofuragyn
 Nifurazolidone

Inchi: InChI=1S/C8H7N3O5/c12-8-10(3-4-15-8)9-5-6-1-2-7(16-6)11(13)14/h1-2,5H,3-4H2
InchiKey: PLHJDBGFXBMTGZ-UHFFFAOYSA-N
Formula: C8H7N3O5
SMILES: O=C1OCCN1N=Cc1ccc([N+](=O)[O-])o1
Mol. weight [g/mol]: 225.16
CAS: 67-45-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.06		Crippen Method
logp	0.974		Crippen Method
mcvol	139.650	ml/mol	McGowan Method

Sources

McGowan Method: <http://link.springer.com/article/10.1007/BF02311772>
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C67458&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method:

https://www.chemeo.com/doc/models/crippen_log10ws

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/65-708-4/Furazolidone.pdf>

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