

# Nifenazone

**Other names:**

3-Pyridinecarboxamide,  
N-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)-  
Nicotinamide, N-antipyrinyl-  
N-Antipyrinylnicotinamide  
Niapyrin  
Nicazane  
Nicodon  
Nicodone  
Nicofesone  
Nicophesone  
Niciphezon  
Nicipyron  
Nicoreumal  
Niconon  
Nicotazone  
Nicotinic acid 4-antipyrilamide  
Nicotinoylantipyrine  
Nicozone  
Nifenazon  
Nikodon  
Nikofezon  
Phenicazone  
Thylin  
4-(Nicotinoylamino)antipyrine  
N-(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)-3-pyridinecarboxamide  
Nicotinamide, N-(2,3-dimethyl-5-oxo-1-phenyl-3-pyrazolin-4-yl)-  
Nicotinic acid, amidophenyldimethylpyrazolone  
4-Nicotinoylamido-1-phenyl-2,3-dimethyl-5-pyrazolone  
4-(Nicotinamido)antipyrine  
Nicotinoylaminoantipyrine  
Anicotinoylantipyrine  
Nicotinsaeureamidophenyldimethylpyrazolons  
Dolongan  
N-Nicotinoylaminoantipyrine  
Niprazine  
Reupiron

**Inchi:** InChI=1S/C17H16N4O2/c1-12-15(19-16(22)13-7-6-10-18-11-13)17(23)21(20(12)2)14-8-4

**InchiKey:** BRZANEXCSZCZCI-UHFFFAOYSA-N

**Formula:** C17H16N4O2

**SMILES:** Cc1c(N=C(O)c2cccnc2)c(=O)n(-c2ccccc2)n1C

**Mol. weight [g/mol]:** 308.33

CAS: 2139-47-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.76		Crippen Method
logp	2.516		Crippen Method
mcvol	230.770	ml/mol	McGowan Method

## Sources

<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C2139471&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2139471&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>

## Legend

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

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