

# Norflurazon

**Other names:**

1-(3-Trifluoromethylphenyl)-4-methylamino-5-chloro-6-pyridazine  
3(2H)-Pyridazinone,  
4-chloro-5-(methylamino)-2-(«alpha», «alpha», «alpha»-trifluoro-m-tolyl)-  
3(2H)-Pyridazinone,  
4-chloro-5-(methylamino)-2-(«alpha», «alpha», «alpha»-trifluoro-m-tolyl)-  
3(2H)-Pyridazinone, 4-chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-  
4-Chloro-5-(methylamino)-2-(«alpha», «alpha», «alpha»-trifluoro-m-tolyl)-3(2H)-pyridazinone  
4-Chloro-5-(methylamino)-2-(«alpha», «alpha», «alpha»-trifluoro-m-tolyl)-3(2H)-p  
4-Chloro-5-(methylamino)-2-[3-(trifluoromethyl)phenyl]-3(2H)-pyridazinone  
4-chloro-5-methylamino-2-[3-(trifluoromethyl)phenyl]pyridazin-3-one  
Evital  
H 52143  
H 9789  
Monometflurazone  
Norflurazone  
SAN 9789  
SAN 9789 H  
Sandoz 9789  
Solicam  
Zorial

**Inchi:** InChI=1S/C12H9ClF3N3O/c1-17-9-6-18-19(11(20)10(9)13)8-4-2-3-7(5-8)12(14,15)16/h2  
**InchiKey:** NVGOPFQZYCNLDU-UHFFFAOYSA-N  
**Formula:** C12H9ClF3N3O  
**SMILES:** CNc1cnn(-c2cccc(C(F)(F)F)c2)c(=O)c1Cl  
**Mol. weight [g/mol]:** 303.67  
**CAS:** 27314-13-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.04		Aqueous Solubility Prediction Method
log10ws	-4.05		Estimated Solubility Method
logp	2.946		Crippen Method
mcvol	185.780	ml/mol	McGowan Method
rinpol	2339.00		NIST Webbook
rinpol	2348.00		NIST Webbook
rinpol	2348.00		NIST Webbook

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C27314132&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C27314132&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Aqueous Solubility Prediction Method:</b>	<a href="http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa">http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa</a>
<b>Estimated Solubility Method:</b>	<a href="http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt">http://pubs.acs.org/doi/suppl/10.1021/ci034243x/suppl_file/ci034243xsi20040112_053635.txt</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</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
<b>rinpol:</b>	Non-polar retention indices

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