

# Nithiamide

**Other names:** Acetamide, N-(5-nitro-2-thiazolyl)-  
Acetyl enheptin  
Acinitrazol  
Acinitrazole  
Ametoterina  
Aminitrazol  
Aminitrozol  
Aminitrozole  
Cyzine Premix  
Enheptin A  
Gynofon  
Lavoflagin  
N-(5-Nitro-2-thiazolyl)acetamide  
Nitasol  
Nitazol  
Nitazole  
Pleocide  
Trichlorad  
Trichocid  
Trichoman  
Trichorad  
Trichoral  
Tricogen  
Tricolaval  
Tricoral  
Tricosteril  
Trikolaval  
Tritheon  
2-(Acetylamino)-5-nitrothiazole  
2-Acetamido-5-nitrothiazole  
5-Nitro-2-acetamidothiazole  
2-Acetamino-5-nitrothiazole  
CL 5,279  
CL 5279  
Thiazole, 2-acetamido-5-nitro-  
5-Nitro-2-acetilaminotiazolo  
Aminitrazole  
Aminitrozolum  
2-Acetamide-5-nitrothiazole  
NSC 31539

**Inchi:** InChI=1S/C5H5N3O3S/c1-3(9)7-5-6-2-4(12-5)8(10)11/h2H,1H3,(H,6,7,9)  
**InchiKey:** UJRRDDHEMZLWFI-UHFFFAOYSA-N  
**Formula:** C5H5N3O3S  
**SMILES:** CC(=O)Nc1ncc([N+](=O)[O-])s1  
**Mol. weight [g/mol]:** 187.18  
**CAS:** 140-40-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.85		Crippen Method
logp	1.010		Crippen Method
mcvol	117.150	ml/mol	McGowan Method

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C140409&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

## Legend

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

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