Acetamide, N-(5-nitro-2-thiazolyl)-

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

Physical Properties

Property code	Value	Unit	Source
ie	9.18	eV	Cheméo Relay (1.0)
log10ws	-2.77		Cheméo Relay (1.0)
logp	1.010		Crippen Method
mcvol	117.150	ml/mol	McGowan Method
tf	434.24	K	Cheméo Relay (1.0)

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C140409&Units=SI
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

ie: Ionization energy
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
tf: Normal melting (fusion) point

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