

# Acetamide, N-[4-[[[(5-methyl-3-isoxazolyl)amino]sulfonyl]phenyl]-

## Other names:

N-[4-[[[(5-methylisoxazol-3-yl)amino]sulphonyl]phenyl]acetamide;  
N4-Acetyl sulfamethoxazol.

**InChI:** InChI=1S/C12H13N3O4S/c1-8-7-12(14-19-8)15-20(17,18)11-5-3-10(4-6-11)13-9(2)16/h3-7H,1-2H3,(H,13,16)(H,14,15)

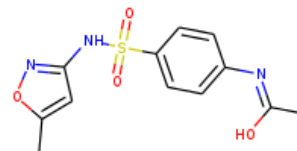
**InChI Key:** GXPIUNZCALHVBA-UHFFFAOYSA-N

**Formula:** C12H13N3O4S

**SMILES:** CC(O)=Nc1ccc(S(=O)(=O)Nc2cc(C)on2)cc1

**Molecular Weight:** 295.31

**CAS:** 21312-10-7



## Physical Properties

| Property                  | Value | Unit | Source         |
|---------------------------|-------|------|----------------|
| $\log P_{\text{oct/wat}}$ | 2.39  |      | Crippen Method |

## Sources

**NIST Webbook:** [http://webbook.nist.gov/cgi/inchi/InChI=1S/C12H13N3O4S/c1-8-7-12\(14-19-8\)15-20\(17,18\)11-5-3-10\(4-6-11\)13-9\(2\)16/h3-7H,1-2H3,\(H,13,16\)\(H,14,15\)](http://webbook.nist.gov/cgi/inchi/InChI=1S/C12H13N3O4S/c1-8-7-12(14-19-8)15-20(17,18)11-5-3-10(4-6-11)13-9(2)16/h3-7H,1-2H3,(H,13,16)(H,14,15))

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

$\log P_{\text{oct/wat}}$ : Octanol/Water partition coefficient .

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