

# Tolazamide

**Other names:**

1-(Hexahydro-1-azepinyl)-3-p-tolylsulfonylurea  
1-(Hexahydro-1H-azepin-1-yl)-3-(p-tolylsulfonyl)urea  
4-(p-Tolylsulfonyl)-1,1-hexamethylenesemicarbazide  
Benzenesulfonamide, N-[(hexahydro-1-azepinyl)amino]carbonyl]-4-methyl-  
Benzenesulfonamide, N-[(hexahydro-1H-azepin-1-yl)amino]carbonyl]-4-methyl-  
Diabewas  
N-(p-Toluenesulfonyl)-N'-hexamethyleniminourea  
N-[(Hexahydro-1H-azepin-1-yl)amino]carbonyl]-4-methylbenzenesulfonamide  
NCI-C03327  
NSC-70762  
Norglycin  
Ronase  
Tolanase  
Tolazolamide  
Tolinase  
U 17835  
Urea, 1-(hexahydro-1H-azepin-1-yl)-3-(p-tolylsulfonyl)-  
Urea, 1-(hexahydroazepin-1-yl)-3-p-tolylsulfonyl-

**Inchi:** InChI=1S/C14H21N3O3S/c1-12-6-8-13(9-7-12)21(19,20)16-14(18)15-17-10-4-2-3-5-11-14

**InchiKey:** OUDSBRTVNLOZBN-UHFFFAOYSA-N

**Formula:** C14H21N3O3S

**SMILES:** Cc1ccc(S(=O)(=O)NC(=O)NN2CCCCC2)cc1

**Mol. weight [g/mol]:** 311.40

**CAS:** 1156-19-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.68		Aqueous Solubility Prediction Method
logp	1.774		Crippen Method
mvol	233.100	ml/mol	McGowan Method

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Aqueous Solubility Prediction Method:** <http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa>  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1156190&Units=SI>

## Legend

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

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