

# Thiadiazole-3-carboxanilide, 1,2,5-, 4-ureido-

**Inchi:** InChI=1S/C10H9N5O2S/c11-10(17)13-8-7(14-18-15-8)9(16)12-6-4-2-1-3-5-6/h1-5H,(H,1)  
**InchiKey:** GCGHBFBJKYQEHL-UHFFFAOYSA-N  
**Formula:** C10H9N5O2S  
**SMILES:** NC(=O)Nc1nsnc1C(=O)Nc1ccccc1  
**Mol. weight [g/mol]:** 263.28

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.93		Crippen Method
logp	1.281		Crippen Method
mcvol	177.930	ml/mol	McGowan Method

## Sources

**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=B6008670&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

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

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