

# gliclazide

**Inchi:** InChI=1S/C15H21N3O3S/c1-11-5-7-14(8-6-11)22(20,21)17-15(19)16-18-9-12-3-2-4-13(10)  
**InchiKey:** BOVGTQGAOIONJV-UHFFFAOYSA-N  
**Formula:** C15H21N3O3S  
**SMILES:** Cc1ccc(S(=O)(=O)NC(=O)NN2CC3CCCC3C2)cc1  
**Mol. weight [g/mol]:** 323.41  
**CAS:** 21187-98-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.56		Crippen Method
logp	1.630		Crippen Method
mccvol	236.330	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	44.20	kJ/mol	444.60	NIST Webbook

## Sources

**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>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C21187984&Units=SI&Mask=3FFF>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**hfust:** Enthalpy of fusion at a given temperature

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

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