

# Urea, 3-(p-fluorophenyl)-1-methyl-1-nitroso-

**Inchi:** InChI=1S/C8H8FN3O2/c1-12(11-14)8(13)10-7-4-2-6(9)3-5-7/h2-5H,1H3,(H,10,13)  
**InchiKey:** UBHNEXDJFIFPFN-UHFFFAOYSA-N  
**Formula:** C8H8FN3O2  
**SMILES:** CN(N=O)C(=O)Nc1ccc(F)cc1  
**Mol. weight [g/mol]:** 197.17  
**CAS:** 777-59-3

## Physical Properties

Property code	Value	Unit	Source
hf	-339.27	kJ/mol	Joback Method
hvap	59.84	kJ/mol	Joback Method
log10ws	-2.74		Crippen Method
logp	1.971		Crippen Method
mcvol	134.670	ml/mol	McGowan Method
pc	3633.35	kPa	Joback Method
tb	593.25	K	Joback Method
tc	798.47	K	Joback Method

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C777593&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)  
**Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

## Legend

**hf:** Enthalpy of formation at standard conditions  
**hvap:** Enthalpy of vaporization at standard conditions  
**log10ws:** Log10 of Water solubility in mol/l

<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

Latest version available from:

<https://www.cheméo.com/cid/16-369-5/Urea-3-p-fluorophenyl-1-methyl-1-nitroso.pdf>

Generated by Cheméo on 2024-04-09 20:24:21.049846823 +0000 UTC m=+14983509.970424135.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.