

# Anthranilic acid, N-dimethylaminomethylene-

**Inchi:** InChI=1S/C10H12N2O2/c1-12(2)7-11-9-6-4-3-5-8(9)10(13)14/h3-7H,1-2H3,(H,13,14)  
**InchiKey:** MOHBFAUFWMGFIP-UHFFFAOYSA-N  
**Formula:** C10H12N2O2  
**SMILES:** CN(C)C=Nc1cccc1C(=O)O  
**Mol. weight [g/mol]:** 192.21

## Physical Properties

Property code	Value	Unit	Source
hf	-139.73	kJ/mol	Joback Method
hvap	69.57	kJ/mol	Joback Method
log10ws	-1.58		Crippen Method
logp	1.606		Crippen Method
mcvol	151.100	ml/mol	McGowan Method
pc	3038.96	kPa	Joback Method
rinpol	2266.00		NIST Webbook
tb	695.03	K	Joback Method
tc	907.40	K	Joback Method

## Sources

**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>  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U375517&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## 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>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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