

# N-methyl-o-fluorobenzylidenimine

**Inchi:** InChI=1S/C8H8FN/c1-10-6-7-4-2-3-5-8(7)9/h2-6H,1H3/b10-6+  
**InchiKey:** JKMWEMKTKPWIFC-UXBLZVDNSA-N  
**Formula:** C8H8FN  
**SMILES:** CN=Cc1ccccc1F  
**Mol. weight [g/mol]:** 137.15  
**CAS:** 116529-36-3

## Physical Properties

Property code	Value	Unit	Source
hf	-97.28	kJ/mol	Joback Method
hvap	38.84	kJ/mol	Joback Method
log10ws	-1.87		Crippen Method
logp	1.874		Crippen Method
mvol	107.270	ml/mol	McGowan Method
pc	3018.96	kPa	Joback Method
tb	490.05	K	Joback Method
tc	711.25	K	Joback Method

## Sources

**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=C116529363&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

**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

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