

# (CH<sub>3</sub>)<sub>2</sub>N-C(C<sub>6</sub>H<sub>5</sub>)=NCH<sub>3</sub>

**Inchi:** InChI=1S/C10H14N2/c1-11-10(12(2)3)9-7-5-4-6-8-9/h4-8H,1-3H3/b11-10+  
**InchiKey:** QAUJTDOEDJGX EJ-ZHACJKMWSA-N  
**Formula:** C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>  
**SMILES:** CN=C(c1ccccc1)N(C)C  
**Mol. weight [g/mol]:** 162.23  
**CAS:** 119044-57-4

## Physical Properties

Property code	Value	Unit	Source
affp	1033.30	kJ/mol	NIST Webbook
basg	1000.90	kJ/mol	NIST Webbook
hf	126.76	kJ/mol	Joback Method
hvap	45.57	kJ/mol	Joback Method
log10ws	-1.44		Crippen Method
logp	1.625		Crippen Method
mcvol	143.660	ml/mol	McGowan Method
pc	2632.55	kPa	Joback Method
tb	543.88	K	Joback Method
tc	768.87	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=C119044574&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**affp:** Proton affinity

<b>basg:</b>	Gas basicity
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	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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