(CH3)2N-CH=N-(4-cyanophenyl)

Inchi: InChI=1S/C10H11N3/c1-13(2)8-12-10-5-3-9(7-11)4-6-10/h3-6,8H,1-2H3/b12-8+
InchiKey: YIRXHWRKLXJDFH-XYOKQWHBSA-N
Formula: C10H11N3
SMILES: CN(C)C=Nc1ccc(C#N)cc1
Mol. weight [g/mol]: 173.21
CAS: 119044-58-5

Physical Properties

Property code	Value	Unit	Source
affp	952.20	kJ/mol	NIST Webbook
basg	919.80	kJ/mol	NIST Webbook
hf	289.96	kJ/mol	Joback Method
hvap	56.63	kJ/mol	Joback Method
log10ws	-1.88		Crippen Method
logp	1.780		Crippen Method
mcvol	145.040	ml/mol	McGowan Method
pc	2515.07	kPa	Joback Method
tb	651.06	K	Joback Method
tc	887.17	K	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
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=C119044585&Units=SI

Legend

affp: Proton affinity

basg:	Gas basicity
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature