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

Inchi: InChI=1S/C10H14N2/c1-9-4-6-10(7-5-9)11-8-12(2)3/h4-8H,1-3H3/b11-8+
InchiKey: NOBRDGQOCLNSSL-DHZHZOJOSA-N
Formula: C10H14N2
SMILES: Cc1ccc(N=CN(C)C)cc1
Mol. weight [g/mol]: 162.23
CAS: 56638-68-7

Physical Properties

Property code	Value	Unit	Source
affp	988.60	kJ/mol	NIST Webbook
basg	956.10	kJ/mol	NIST Webbook
hf	125.08	kJ/mol	Joback Method
hvap	46.15	kJ/mol	Joback Method
log10ws	-2.00		Crippen Method
logp	2.216		Crippen Method
mcvol	143.660	ml/mol	McGowan Method
pc	2579.34	kPa	Joback Method
tb	548.98	K	Joback Method
tc	770.87	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=C56638687&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

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