

3,4-DIAMINO-5-NITROPYRIDINE

Other names:	3,4-Diamino-5-nitropyridine
Inchi:	InChI=1S/C5H6N4O2/c6-3-1-8-2-4(5(3)7)9(10)11/h1-2H,6H2,(H2,7,8)
InchiKey:	OMUADEPNIQXNRG-UHFFFAOYSA-N
Formula:	C5H6N4O2
SMILES:	<chem>Nc1cncc([N+](=O)[O-])c1N</chem>
Mol. weight [g/mol]:	154.13

Physical Properties

Property code	Value	Unit	Source
ie	8.71	eV	Cheméo Relay (1.0)
log10ws	-2.28		Cheméo Relay (1.0)
logp	0.154		Crippen Method
mcvol	104.910	ml/mol	McGowan Method
tb	598.60	K	Cheméo Relay (1.0)
tf	512.78	K	Cheméo Relay (1.0)

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4318687&Units=SI
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

tb: Normal Boiling Point Temperature

tf: Normal melting (fusion) point

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