

Acetamiprid

Other names:	Acetamipride NI 25 Ethanimidamide, N-((6-chloro-3-pyridinyl)methyl)-N'-cyano-N-methyl-, (E)- Ethanimidamide, N-[(6-chloro-3-pyridinyl)methyl]-N'-cyano-N-methyl-, (1E)- (E)-N-[(6-chloro-3-pyridinyl)methyl]-N'-cyano-N-methylethanimidamide
Inchi:	InChI=1S/C10H11ClN4/c1-8(14-7-12)15(2)6-9-3-4-10(11)13-5-9/h3-5H,6H2,1-2H3
InchiKey:	WCXDHFDTYOYPNIE-UHFFFAOYSA-N
Formula:	C10H11ClN4
SMILES:	CC(=NC#N)N(C)Cc1ccc(Cl)nc1
Mol. weight [g/mol]:	222.67
CAS:	160430-64-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.07		Crippen Method
logp	2.066		Crippen Method
mcvol	167.260	ml/mol	McGowan Method
rinpol	2452.00		NIST Webbook
rinpol	2458.00		NIST Webbook
rinpol	2452.00		NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C160430648&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
rinpol: Non-polar retention indices

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