

# Cyazofamid

<b>Other names:</b>	1H-Imidazole-1-sulfonamide, 4-chloro-2-cyano-N,N-dimethyl-5-(4-methylphenyl)-4-chloro-2-cyano-N,N-dimethyl-5-(4-methylphenyl)-1H-imidazole-1-sulfonamide
<b>Inchi:</b>	InChI=1S/C13H13ClN4O2S/c1-9-4-6-10(7-5-9)12-13(14)16-11(8-15)18(12)21(19,20)17(2)
<b>InchiKey:</b>	YXKMMRDKEKCERS-UHFFFAOYSA-N
<b>Formula:</b>	C13H13ClN4O2S
<b>SMILES:</b>	<chem>Cc1ccc(-c2c(Cl)nc(C#N)n2S(=O)(=O)N(C)C)cc1</chem>
<b>Mol. weight [g/mol]:</b>	324.79
<b>CAS:</b>	120116-88-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.61		Crippen Method
logp	2.038		Crippen Method
mcvol	222.460	ml/mol	McGowan Method
rinpol	2388.00		NIST Webbook
rinpol	2388.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C120116883&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C120116883&amp;Units=SI</a>

## Legend

<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>rinpol:</b>	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/27-115-4/Cyazofamid.pdf>

Generated by Cheméo on 2024-04-18 16:56:49.870835034 +0000 UTC m=+15748658.791412345.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.