

# Sulfameter

<b>Other names:</b>	5-Methoxysulfadiazine Benzenesulfonamide, 4-amino-N-(5-methoxy-2-pyrimidinyl)- Sulfanilamide, N
<b>Inchi:</b>	InChI=1S/C11H12N4O3S/c1-18-9-6-13-11(14-7-9)15-19(16,17)10-4-2-8(12)3-5-10/h2-7H
<b>InchiKey:</b>	GPTONYMQFTZPKC-UHFFFAOYSA-N
<b>Formula:</b>	C11H12N4O3S
<b>SMILES:</b>	<chem>COc1cnc(NS(=O)(=O)c2ccc(N)cc2)nc1</chem>
<b>Mol. weight [g/mol]:</b>	280.30
<b>CAS:</b>	651-06-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.58		Aqueous Solubility Prediction Method
logp	0.868		Crippen Method
mcvol	192.210	ml/mol	McGowan Method
rinpol	2790.00		NIST Webbook
rinpol	2790.00		NIST Webbook
tf	486.70 ± 0.50	K	NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C651069&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C651069&amp;Units=SI</a>
<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>Aqueous Solubility Prediction Method:</b>	<a href="http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa">http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</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

**rinpol:** Non-polar retention indices  
**tf:** Normal melting (fusion) point

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