

# Thiazole, 2-amino-5-nitro-4-(p-nitrophenyl)

<b>Inchi:</b>	InChI=1S/C9H6N4O4S/c10-9-11-7(8(18-9)13(16)17)5-1-3-6(4-2-5)12(14)15/h1-4H,(H2,1
<b>InchiKey:</b>	OSDMEBJSWKIWPH-UHFFFAOYSA-N
<b>Formula:</b>	C9H6N4O4S
<b>SMILES:</b>	<chem>Nc1nc(-c2ccc([N+](=O)[O-])cc2)c([N+](=O)[O-])s1</chem>
<b>Mol. weight [g/mol]:</b>	266.23
<b>CAS:</b>	102300-80-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.53		Crippen Method
logp	2.209		Crippen Method
mcvol	165.600	ml/mol	McGowan Method

## Sources

<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=C102300801&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C102300801&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</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

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