

# N-[(e)-(dimethylamino)methylidene]-4-methylbenz

Inchi:	InChI=1S/C10H14N2O2S/c1-9-4-6-10(7-5-9)15(13,14)11-8-12(2)3/h4-8H,1-3H3/b11-8+
InchiKey:	AWICAOQZHLEQRQF-DHZHZOJOSA-N
Formula:	C10H14N2O2S
SMILES:	Cc1ccc(S(=O)(=O)N=CN(C)C)cc1
Mol. weight [g/mol]:	226.29
CAS:	25770-53-0

## Physical Properties

Property code	Value	Unit	Source
hf	-328.27	kJ/mol	Joback Method
hvap	64.78	kJ/mol	Joback Method
log10ws	-1.70		Crippen Method
logp	1.274		Crippen Method
mcvol	171.750	ml/mol	McGowan Method
pc	3038.96	kPa	Joback Method
tb	596.76	K	Joback Method
tc	810.03	K	Joback Method

## Sources

Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
Joback Method:	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C25770530&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C25770530&amp;Units=SI</a>

## Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l

<b>logP:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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