

# 4,4'-Bis(4-amino-1-naphthylazo)-2,2'-stilbenedisulfonic acid

Other names:	4,4'-bis[(4-amino-1-naphthyl)azo]stilbene-2,2'-disulphonic acid
Inchi:	InChI=1S/C34H26N6O6S2/c35-29-15-17-31(27-7-3-1-5-25(27)29)39-37-23-13-11-21(33)1-2
InchiKey:	BEOHKTZPLVXCFG-NKPXSSHVSA-N
Formula:	C34H26N6O6S2
SMILES:	<chem>Nc1ccc(N=Nc2ccc(C=Cc3ccc(N=Nc4ccc(N)c5ccccc45)cc3S(=O)(=O)O)c(S(=O)(=O)O)c2</chem>
Mol. weight [g/mol]:	678.74
CAS:	5463-64-9

## Physical Properties

Property code	Value	Unit	Source
hf	-440.51	kJ/mol	Joback Method
hvap	214.17	kJ/mol	Joback Method
log10ws	-10.21		Crippen Method
logp	8.652		Crippen Method
mcpvol	470.860	ml/mol	McGowan Method
pc	1421.85	kPa	Joback Method
tb	1889.38	K	Joback Method
tc	2541.47	K	Joback Method

## Sources

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=C5463649&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5463649&amp;Units=SI</a>
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>

## Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions

<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>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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