

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

<b>Inchi:</b>	InChI=1S/C34H26N6O6S2/c35-29-17-13-21-5-1-3-7-27(21)33(29)39-37-25-15-11-23(31)
<b>InchiKey:</b>	ANGMGEOZQHWOBK-NKPXSSHVSA-N
<b>Formula:</b>	C34H26N6O6S2
<b>SMILES:</b>	<chem>Nc1ccc2ccccc2c1N=Nc1ccc(C=Cc2ccc(N=Nc3c(N)ccc4ccccc34)cc2S(=O)(=O)O)c(S(=O)(=O)O)c1</chem>
<b>Mol. weight [g/mol]:</b>	678.74
<b>CAS:</b>	5437-12-7

## 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

<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=C5437127&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5437127&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>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>

## Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hvap:</b>	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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