

# N-[2-(1-piperazinyl)ethyl]ethylenediamine

<b>Other names:</b>	N-[(2-Aminoethyl)2-aminoethyl]piperazine
<b>Inchi:</b>	InChI=1S/C8H20N4/c9-1-2-10-3-6-12-7-4-11-5-8-12/h10-11H,1-9H2
<b>InchiKey:</b>	WBIWIXJUBVWKLKLS-UHFFFAOYSA-N
<b>Formula:</b>	C8H20N4
<b>SMILES:</b>	NCCNCCN1CCNCC1
<b>Mol. weight [g/mol]:</b>	172.27
<b>CAS:</b>	24028-46-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.55		Crippen Method
logp	-1.560		Crippen Method
mcpvol	152.640	ml/mol	McGowan Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpl	391.00	J/mol×K	333.00	NIST Webbook

## Sources

<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>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=C24028464&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C24028464&amp;Units=SI</a>

## Legend

**cpl:** Liquid phase heat capacity  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume

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