

# 6-Quinolinamine

<b>Other names:</b>	Quinoline, 6-amino- 6-Aminoquinoline Quinolin-6-ylamine quinolin-6-amine
<b>Inchi:</b>	InChI=1S/C9H8N2/c10-8-3-4-9-7(6-8)2-1-5-11-9/h1-6H,10H2
<b>InchiKey:</b>	RJSRSRITMWVIQT-UHFFFAOYSA-N
<b>Formula:</b>	C9H8N2
<b>SMILES:</b>	<chem>Nc1ccc2ncccc2c1</chem>
<b>Mol. weight [g/mol]:</b>	144.17
<b>CAS:</b>	580-15-4

## Physical Properties

Property code	Value	Unit	Source
chs	-4785.30 ± 1.90	kJ/mol	NIST Webbook
hf	206.10 ± 2.40	kJ/mol	NIST Webbook
hfs	100.40 ± 2.20	kJ/mol	NIST Webbook
hsub	105.70 ± 1.00	kJ/mol	NIST Webbook
hsub	105.70	kJ/mol	NIST Webbook
hsub	105.70 ± 1.00	kJ/mol	NIST Webbook
log10ws	-2.68		Crippen Method
logp	1.817		Crippen Method
mcvol	114.410	ml/mol	McGowan Method
tf	389.00	K	NIST Webbook
tf	389.00	K	NIST Webbook
tf	389.15 ± 1.50	K	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	103.60 ± 1.00	kJ/mol	341.00	NIST Webbook

# Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	419.20	K	0.04	NIST Webbook
tbrp	439.00	K	0.04	NIST Webbook
tbrp	439.00	K	0.04	NIST Webbook

## 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=C580154&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C580154&amp;Units=SI</a>
<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>

## Legend

<b>chs:</b>	Standard solid enthalpy of combustion
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfs:</b>	Solid phase enthalpy of formation at standard conditions
<b>hsub:</b>	Enthalpy of sublimation at standard conditions
<b>hsubt:</b>	Enthalpy of sublimation at a given temperature
<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>tbrp:</b>	Boiling point at reduced pressure
<b>tf:</b>	Normal melting (fusion) point

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