3-Quinolinamine

Other names:	Quinoline, 3-amino-
	3-Aminoquinoline
	3-Quinolineamine
	3-Quinolylamine
Inchi:	InChI=1S/C9H8N2/c10-8-5-7-3-1-2-4-9(7)11-6-8/h1-6H,10H2
InchiKey:	SVNCRRZKBNSMIV-UHFFFAOYSA-N
Formula:	C9H8N2
SMILES:	Nc1cnc2ccccc2c1
Mol. weight [g/mol]:	144.17
CAS:	580-17-6

Physical Properties

Property code	Value	Unit	Source
chs	-4790.20 ± 1.60	kJ/mol	NIST Webbook
hf	208.40 ± 2.20	kJ/mol	NIST Webbook
hfs	105.30 ± 2.00	kJ/mol	NIST Webbook
hsub	103.10	kJ/mol	NIST Webbook
hsub	103.10 ± 0.90	kJ/mol	NIST Webbook
hsub	104.80 ± 4.80	kJ/mol	NIST Webbook
hsub	103.10 ± 0.90	kJ/mol	NIST Webbook
log10ws	-2.68		Crippen Method
logp	1.817		Crippen Method
mcvol	114.410	ml/mol	McGowan Method
tf	429.65 ± 2.00	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	101.10 ± 0.90	kJ/mol	337.00	NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C580176&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

chs:	Standard solid enthalpy of combustion
hf:	Enthalpy of formation at standard conditions
hfs:	Solid phase enthalpy of formation at standard conditions
hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point