4-Aminoquinaldine

Other names:	4-Amino-2-methylquinoline
	4-Quinolinamine, 2-methyl-
Inchi:	InChI=1S/C10H10N2/c1-7-6-9(11)8-4-2-3-5-10(8)12-7/h2-6H,1H3,(H2,11,12)
InchiKey:	COCFIBRMFPWUDW-UHFFFAOYSA-N
Formula:	C10H10N2
SMILES:	Cc1cc(N)c2ccccc2n1
Mol. weight [g/mol]:	158.20
CAS:	6628-04-2

Physical Properties

Property code	Value	Unit	Source
hsub	115.30 ± 0.80	kJ/mol	NIST Webbook
log10ws	-3.15		Crippen Method
logp	2.125		Crippen Method
mcvol	128.500	ml/mol	McGowan Method
tb	606.20	K	NIST Webbook
tb	606.00	K	NIST Webbook
tf	442.50 ± 0.50	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	112.10 ± 0.80	kJ/mol	362.50	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C6628042&Units=SI

Legend

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
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point