2,6-Pyridinediamine

Other names:	2,6-diaminopyridine
	DAP
	NSC 1921
	Pyridine, 2,6-diamino-
	pyridine-2,6-diamine
	pyridine-2,6-diyldiamine
Inchi:	InChI=1S/C5H7N3/c6-4-2-1-3-5(7)8-4/h1-3H,(H4,6,7,8)
InchiKey:	VHNQIURBCCNWDN-UHFFFAOYSA-N
Formula:	C5H7N3
SMILES:	Nc1cccc(N)n1
Mol. weight [g/mol]:	109.13
CAS:	141-86-6

Physical Properties

Property code	Value	Unit	Source
chs	-2961.40 ± 0.46	kJ/mol	NIST Webbook
log10ws	-0.50		Crippen Method
logp	0.246		Crippen Method
mcvol	87.490	ml/mol	McGowan Method
rinpol	1377.00		NIST Webbook
tb	558.20	K	NIST Webbook
tf	394.80	K	Liquid-Liquid Equilibria for Systems of 1-Butanol + Water + 2,6-Diaminopyridine and 1-Butanol + Water + 2-Aminopyridine

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	422.20	K	0.70	NIST Webbook

Sources

Liquid-Liquid Equilibria for Systems of 1-Butanol + Water + 2,6-Diaminopyridine and 1-Butanol + Water + 2-Aminopyridine:	https://www.doi.org/10.1021/je8007843
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C141866&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Solubility of 2,6-Diaminopyridine in Toluene, o-Xylene, Ethylbenzene, Methanol, Ethanol, 2-Propanol, and Sodium Hydroxide Solutions:	https://www.doi.org/10.1021/je700221w

Legend

chs:	Standard solid enthalpy of combustion
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tf:	Normal melting (fusion) point