1H-Benzimidazol-2-amine

Other names:	Benzimidazole, 2-amino-
	2-Aminobenzimidazole
	2-Iminobenzimidazoline
	USAF ek-4037
	2-Benzimidazolamine
	2-Amino-1H-benzimidazole
	benzimidazol-2-ylamine
Inchi:	InChI=1S/C7H7N3/c8-7-9-5-3-1-2-4-6(5)10-7/h1-4H,(H3,8,9,10)
InchiKey:	JWYUFVNJZUSCSM-UHFFFAOYSA-N
Formula:	C7H7N3
SMILES:	Nc1nc2ccccc2[nH]1
Mol. weight [g/mol]:	133.15
CAS:	934-32-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.89		Crippen Method
logp	0.663		Crippen Method
mcvol	100.510	ml/mol	McGowan Method
tf	505.10 ± 0.20	K	NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C934327&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l

logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point