2-Benzothiazolamine, 6-methyl-

Other names:	2-Amino-6-methylbenzothiazole
	2-Amino-6-methylbenzthiazol
	2-Methylbenzothiazol-2-amine
	2-amino-6-methylbenzo[d]thiazole
	6-Methyl-2-benzothiazolylamine
	6-Methyl-benzothiazol-2-ylamine
	6-methyl-2-aminobenzothiazole
	6-methyl-2-benzothiazolamine
	Benzothiazole, 2-amino-6-methyl-
	NSC 118944
	NSC 12760
	SKF 1045
Inchi:	InChI=1S/C8H8N2S/c1-5-2-3-6-7(4-5)11-8(9)10-6/h2-4H,1H3,(H2,9,10)
InchiKey:	DZWTXWPRWRLHIL-UHFFFAOYSA-N
Formula:	C8H8N2S
SMILES:	Cc1ccc2nc(N)sc2c1
Mol. weight [g/mol]:	164.23
CAS:	2536-91-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.91		Crippen Method
logp	2.187		Crippen Method
mcvol	120.970	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source

cps	197.07	J/mol×K	298.15	Standard enthalpies of formation of 2-aminobenzothiazoles in the crystalline phase by rotating-bomb combustion calorimetry

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2536916&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Standard enthalpies of formation of 2-aminobenzothiazoles in the crystalline phase by rotating-bomb combustion calorimetry:	https://www.doi.org/10.1016/j.jct.2014.01.018

Legend

cps:	Solid phase heat capacity
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume