

1-Phenazinecarboxylic acid

Other names:	1-Carboxylic acid phenazine EMR 211 NRRL B-1482 NRRL B-1576 Phenazinecarboxylic acid Phenazine-«alpha»-carboxylic acid
Inchi:	InChI=1S/C13H8N2O2/c16-13(17)8-4-3-7-11-12(8)15-10-6-2-1-5-9(10)14-11/h1-7H,(H,1
InchiKey:	JGCSKOVQDXEQHI-UHFFFAOYSA-N
Formula:	C13H8N2O2
SMILES:	O=C(O)c1cccc2nc3cccc3nc12
Mol. weight [g/mol]:	224.21
CAS:	2538-68-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.67		Crippen Method
logp	2.481		Crippen Method
mcpvol	158.750	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	35.44	kJ/mol	514.50	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
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=C2538683&Units=SI

Legend

hfust:	Enthalpy of fusion at a given temperature
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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