2-nitropyridin-3-ol

Other names: 3-hydroxy-2-nitropyridine
Inchi: InChI=1S/C5H4N2O3/c8-4-2-1-3-6-5(4)7(9)10/h1-3,8H
InchiKey: QBPDSKPWYWIHGA-UHFFFAOYSA-N
Formula: C5H4N2O3
SMILES: O=[N+]([O-])c1ncccc1O
Mol. weight [g/mol]: 140.10

Physical Properties

Property code	Value	Unit	Source
hfus	22.04	kJ/mol	Solubility Measurement and Modeling of 3-Hydroxy-2-nitropyridine in Ten Pure Solvents and Two Binary Mixed Solvents for T = (278.15-318.15) K
log10ws	-1.44		Crippen Method
logp	0.695		Crippen Method
mcvol	90.820	ml/mol	McGowan Method
tt	342.77	K	Solubility Measurement and Modeling of 3-Hydroxy-2-nitropyridine in Ten Pure Solvents and Two Binary Mixed Solvents for T = (278.15-318.15) K

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Solubility Measurement and Modeling of 3-Hydroxy-2-nitropyridine in Ten Pure Solvents and Two Binary Mixed Solvents for T = (278.15-318.15) K: https://www.doi.org/10.1021/acs.jced.9b00564

Legend

hfus:	Enthalpy of fusion at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tt:	Triple Point Temperature