2(1H)-Pyridinone, 5-nitro-

Other names:	5-Nitro-2-hydroxypyridine
	5-Nitro-2-pyridinol
	5-Nitro-2-pyridinone
	5-Nitro-2(1H)-pyridinone
	5-Nitro-2-pyridone
	5-Nitro-2(1H)-pyridone
	2-Pyridinol, 5-nitro-
	2(1H)-Pyridinone, 5-nitro-
	5-nitropyridin-2-ol
Inchi:	InChI=1S/C5H4N2O3/c8-5-2-1-4(3-6-5)7(9)10/h1-3H,(H,6,8)
InchiKey:	XKWSQIMYNVLGBO-UHFFFAOYSA-N
Formula:	C5H4N2O3
SMILES:	O=c1ccc([N+](=O)[O-])c[nH]1
Mol. weight [g/mol]:	140.10

Physical Properties

Property code	Value	Unit	Source
hf	-53.22	kJ/mol	Cheméo Relay (1.0)
hvap	99.31	kJ/mol	Cheméo Relay (1.0)
ie	9.81	eV	Cheméo Relay (1.0)
log10ws	-1.20		Cheméo Relay (1.0)
logp	-0.199		Crippen Method
mcvol	90.820	ml/mol	McGowan Method
tb	563.67	K	Cheméo Relay (1.0)
tf	451.81	K	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0, beta):

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5418519&Units=SI
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

Cheméo Relay (1.0):

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point