

# Imidazole-4(5)-carboxylic acid, 5(4)-nitro, hydrazide

Inchi:	InChI=1S/C4H5N5O3/c5-8-4(10)2-3(9(11)12)7-1-6-2/h1H,5H2,(H,6,7)(H,8,10)
InchiKey:	UWJRGWGGYUHUUEL-UHFFFAOYSA-N
Formula:	C4H5N5O3
SMILES:	NNC(=O)c1nc[nH]c1[N+](=O)[O-]
Mol. weight [g/mol]:	171.11
CAS:	6961-41-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.46		Crippen Method
logp	-1.560		Crippen Method
mcvol	106.670	ml/mol	McGowan Method

## Sources

Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C6961417&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C6961417&amp;Units=SI</a>

## Legend

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

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