

Nicotinic acid hydrazide

Other names:	3-Pyridinecarboxylic acid, hydrazide Nicotinic hydrazide Nicotinoyl hydrazide Nicotinoyl hydrazine Nicotinyldiazide NSC 36088 WS 102 3-Pyridoyl Hydrazine 3-Pyridylcarbonylhydrazine Hydrazine, nicotinoyl- 3-Pyridinecarboxylic hydrazide Niazid Nicotinohydrazide Nicotinyldiazine NSC 18775
Inchi:	InChI=1S/C6H7N3O/c7-9-6(10)5-2-1-3-8-4-5/h1-4H,7H2,(H,9,10)
InchiKey:	KFUSANSHCADHNJ-UHFFFAOYSA-N
Formula:	C6H7N3O
SMILES:	<chem>NNC(=O)c1cccnc1</chem>
Mol. weight [g/mol]:	137.14
CAS:	553-53-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.59		Crippen Method
logp	-0.315		Crippen Method
mcvol	103.150	ml/mol	McGowan Method
ripol	2575.00		NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C553537&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Crippen Method:

https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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