

Imidazole-4(or 5)-carboxamide, 5(or 4)-diaz-4,5-dihydro-

Inchi:	InChI=1S/C4H5N5O/c5-3(10)2-4(9-6)8-1-7-2/h1-2,4H,(H2-,5,7,8,10)
InchiKey:	DRCDLRGBPVMJCT-UHFFFAOYSA-N
Formula:	C4H5N5O
SMILES:	N#[N+]C1NC=NC1C(=N)[O-]
Mol. weight [g/mol]:	139.12
CAS:	121514-72-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.97		Crippen Method
logp	-1.497		Crippen Method
mcvol	94.930	ml/mol	McGowan Method

Sources

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=C121514725&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/96-666-7/Imidazole-4-or-5-carboxamide-5-or-4-diazo-4-5-dihydro.pdf>

Generated by Cheméo on 2024-05-06 02:07:14.161712916 +0000 UTC m=+17250483.082290247.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.