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Moroxydine

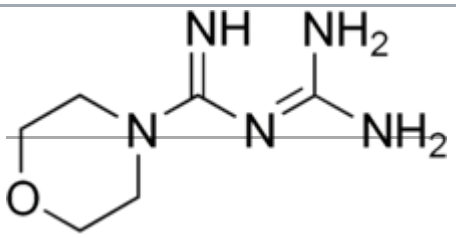
Moroxydine is an antiviral drug that was originally developed in the 1950s as an influenza treatment. It has potential applications against a number of RNA and DNA viruses.[1] Structurally moroxydine is a heterocyclic biguanidine.

It was reported in March 2014 that three kindergartens in two provinces of China had been found to be secretly dosing their students with moroxydine hydrochloride to try to prevent them from becoming ill. The kindergartens are paid only for the days that pupils attend and wanted to ensure that they maximised their earnings.[2]

References

1. Sheppard, S. (1994). "Moroxydine: The story of a mislaid antiviral". *Acta Dermato-Venereologica. Supplementum*. **183**: 1–9. PMID 9868507 (https://pubmed.ncbi.nlm.nih.gov/9868507).
2. Moore, Malcolm (2014-03-20). "China: All children to be given drug tests after schools caught medicating pupils" (http://www.theage.com.au/world/china-all-children-to-be-given-drug-tests-after-schools-caught-medicating-pupils-20140320-hvkpf.html). *The Age*. Retrieved 2014-03-20.

Moroxydine



Names	
IUPAC name	*N*-(Diaminomethylidene)morpholine-4-carboximidamide
Other names	Moroxidine
Identifiers	
CAS Number	3731-59-7 (https://commonchemistry.cas.org/detail?cas_rn=3731-59-7) ✓
3D model (JSmol)	Interactive image (https://chemapps.stolaf.edu/jmol/jmol.php?model=C1COCCN1C%28%3DN%29N%3DC%28N%29N)
ChemSpider	64715 (https://www.chemspider.com/Chemical-Structure.64715.html) ✗
ECHA InfoCard	100.020.994 (https://echa.europa.eu/substance-information/-/substanceinfo/100.020.994)
EC Number	223-093-1
KEGG	D07250 (https://www.kegg.jp/entry/D07250) ✓

PubChem CID	71655 (https://pubchem.ncbi.nlm.nih.gov/compound/71655)
UNII	O611591WAH (https://precision.fda.gov/uniisearch/srs/unii/O611591WAH) ✓
CompTox Dashboard (EPA)	DTXSID3048526 (https://comptox.epa.gov/dashboard/chemical/details/DTXSID3048526)

InChI

InChI=1S/C6H13N5O/c7-5(8)10-6(9)11-1-3-12-4-2-11/h1-4H2,(H5,7,8,9,10) ✗
Key: KJHOZAZQWVKILO-UHFFFAOYSA-N ✗

InChI=1/C6H13N5O/c7-5(8)10-6(9)11-1-3-12-4-2-11/h1-4H2,(H5,7,8,9,10)
Key: KJHOZAZQWVKILO-UHFFFAOYAH

SMILES

C1COCCN1C(=N)N=C(N)N

Properties	
Chemical formula	$C_6H_{13}N_5O$
Molar mass	171.20 g/mol

Pharmacology	
ATC code	J05AX01 (WHO (https://www.whocc.no/atc_ddd_index/?code=J05AX01))

Except where otherwise noted, data are given for materials in their standard state (at 25 °C [77 °F], 100 kPa).

✗ verify (what is ✓✗ ?)

Infobox references

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