



CERTIFICATE OF ANALYSIS

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1. Identification

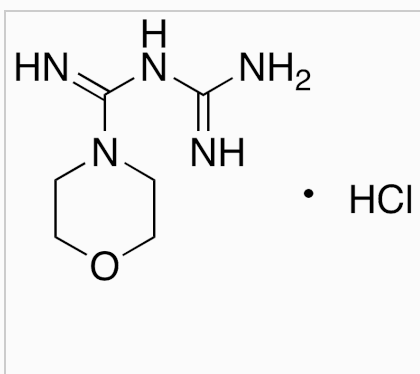
Catalogue Number: M651750

CAS Number: 3160-91-6

Product: Moroxydine Hydrochloride

Synonym: N-[Imino(4-morpholinyl)methyl]guanidine Hydrochloride; N1,N1-Anhydrobis(β-hydroxyethyl)biguanide Hydrochloride; SKF 8898A Hydrochloride; Vironil Hydrochloride; Virugon Hydrochloride; Virumin Hydrochloride; Wirumin Hydrochloride; 4-Morpholinecarboximidoylguanidine Hydrochloride; ABOB Hydrochloride; JD 1022 Hydrochloride; N-Amidino-4-morpholinecarboxamide Hydrochloride; N-(Aminoiminomethyl)-4-morpholinecarboximidamide Hydrochloride

Structure:



Molecular Formula:

$C_6H_{13}N_5O \cdot HCl$

Molecular weight:

171.20 + (36.46)

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 2-EMA-27-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 34.55, %H: 6.77, %N: 33.16
HPLC Purity	Report Result	99.74% (240 nm)
MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	7/18/2023	7/16/2027
				