



CERTIFICATE OF ANALYSIS

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1. Identification

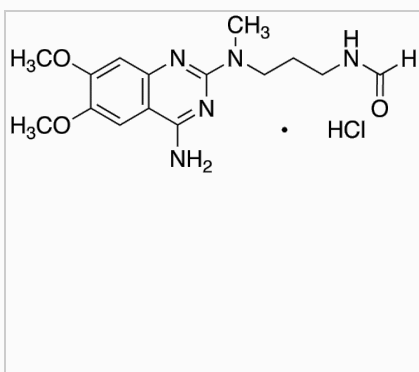
Catalogue Number: A604975

CAS Number: 1796934-51-4

Product: N-(4-Amino-6,7-dimethoxyquinazolin-2-yl)-N-methylpropylenediamine Formamide Hydrochloride

Synonym: N[3-[(4-Amino-6,7-dimethoxyquinoxalin-2-yl)methylamino]propyl]formamide Hydrochloride; Alfuzosin Hydrochloride Impurity E (EP)

Structure:



Molecular Formula:

C₁₅H₂₁N₅O₃ • HCl

Molecular weight:

319.37 + (36.46)

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 6-GAT-85-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 50.13, %H: 6.36, %N: 19.41
HPLC Purity	Report Result	98.94% (245 nm)
MS	Conforms to Structure	Conforms
Chloride Content	Report Result	9.14% by Ion Chromatography

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 ± 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
Evan Burns	Toni Rantanen	Chanell Chu	12/20/2021	12/18/2025