



CERTIFICATE OF ANALYSIS

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1. Identification

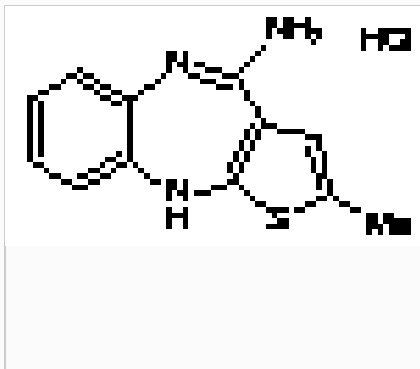
Catalogue Number: A618255

CAS Number: 138564-60-0

Product: 4-Amino-2-methyl-10H-thieno[2,3-b][1,5]-benzodiazepine, Hydrochloride

Synonym: 2-Methyl-10H-thieno[2,3-b][1,5]benzodiazepin-4-amine Hydrochloride; Olanzamine; Olanzapine Impurity 6 HCl

Structure:



Molecular Formula:

C₁₂H₁₁N₃S • HCl

Molecular weight:

229.30 + 36.46

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Sparingly, Sonicated)

Lot Number: 17-XJZ-36-1

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	Yellow to Dark Beige Solid	Dark Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 53.93, %H: 4.64, %N: 15.84
MS	Conforms to Structure	Conforms
Chloride Content	Report Result	13.5%
HPLC Purity	>95%	99.06% (250 nm)

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
Eric Beaton	Toni Rantanen	My Nguyen	4/27/2021	4/25/2031