



CERTIFICATE OF ANALYSIS

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1. Identification

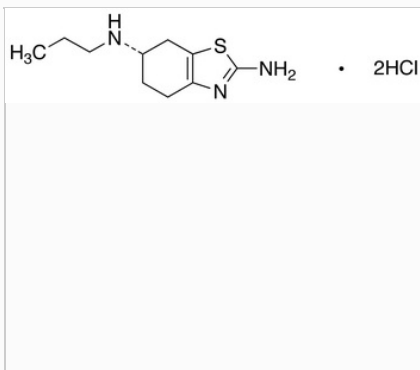
Catalogue Number: P700755

CAS Number: 104632-25-9

Product: (S)-Pramipexole Dihydrochloride

Synonym: (S)-4,5,6,7-Tetrahydro-N6-propyl-2,6-benzothiazolodiamine Dihydrochloride;

Structure:



Molecular Formula:

C₁₀H₁₉Cl₂N₃S

Molecular weight:

284.25

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 711809690-1-1

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:
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 39.94, %H: 6.87, %N: 13.83
MS	Conforms to Structure	Conforms
Appearance	White to Off-White Solid	White to Off-White Solid
Chloride Content	Report Result	23.7%
Specific Rotation	Report Result	-54.0° (c = 0.1, Methanol)
HPLC Purity	Report Result	99.91% (265 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
Nicole Yip	Toni Rantanen	Chanell Chu	6/16/2023	6/14/2027