

CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA Tel: (416) 665-9696, Fax: (416) 665-4439

Email:orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

Catalogue Number: A808250 CAS Number: 79307-93-0

Synonym: 4-[(4-Chlorophenyl)methyl]-2-(hexahydro-1-

methyl-1H-azepin-4-yl)-1(2H)-phthalazinone Hydrochloride; Afluon; Allergodil; Astelin; Azeptin; Optilast; Rhinolast; A-5610; E-0659;

W-2979M;

Molecular Formula:

C22H25Cl2N3O

Molecular weight:

418.36

Source of Product:

N/A

Solubility:

Chloroform (Slightly), DMSO (Slightly), Methanol (Slightly),

Water (Slightly)

Purity: 97%

9/%

Storage

Condition: -20°C

Product: Azelastine Hydrochloride

Structure:

O N-CH₃

Lot 2-SWM-82-1

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

2. Warning

Warning 1: Not Determined Warning 2: Warning 3:

3. Analytical Information

Additional Information:

Tests: Specifications: Results:

Appearance White to Off-White Solid White Solid

Specific Rotation Report Result $+0.4^{\circ}$ (c = 0.5, Methanol)

NMR Conforms to Structure Conforms

Elemental Analysis Conforms %C: 61.59, %H: 6.07, %N: 9.64

MS Conforms to Structure Conforms

HPLC Purity Report Result 100.00% (220 nm)

TLC Conditions: SiO2; Dichloromethane : Methanol : Ammonium

Hydroxide = 9:1:0.2; Visualized with UV and KMnO4; Single Spot,

Rf = 0.55.Elemental Analysis: (Theoretical) %C: 63.16, %H: 6.02,

%N: 10.04

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 Eric Beaton

Toni Rantanen

Reviewed By

C of A Approved By My Nguyen

2/26/2020

Test Date

Retest Date

2/24/2030

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