

Certificate of Analysis

1. Identification

Catalogue Number

Lot Number 1-HBN-139-1

T897250

Product Name

Tulobuterol

Structure

Synonyms

2-Chloro- α -[[(1,1-dimethylethyl)amino]methyl]benzenemethanol; (+/-)-Tulobuterol; HN 078; o-Chloro-α-[(tert-butylamino)methyl]benzyl Alcohol;

CAS Number

41570-61-0

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room

Temperature

Molecular Formula

C₁₂H₁₈CINO N/A

Molecular Weight

227.73

Source of Product

Purity >95% **Long Term Storage Conditions**

-20°C

2. Warnings

Not Determined

3. Analytical Information

| Tests Appearance | Specifications White to Off-White Solid | Results White Solid |
|-------------------|---|---------------------|
| Appearance NMR | Conforms to Structure | Conforms |
| HPLC Purity | >95% | 99.84% |
| MS | Conforms to Structure | Conforms |

Additional Information

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

Xhoana Gjergji

Reviewed by

Neha Khanna

C of A Approved by

Test Date 5/24/2019 **Retest Date**

5/22/2026