



CERTIFICATE OF ANALYSIS

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1. Identification

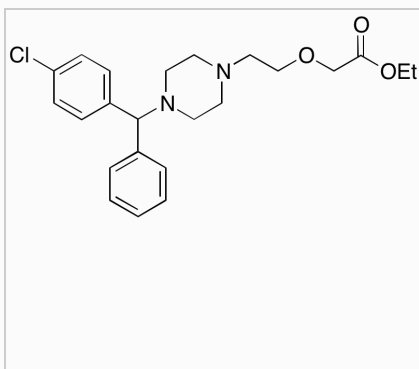
Catalogue Number: C291145

CAS Number: 246870-46-2

Product: Cetirizine Ethyl Ester

Synonym: 2-[2-[4-[(4-Chlorophenyl)phenylmethyl]-1-piperazinyl]ethoxy]acetic Acid Ethyl Ester; [2-[4-[(4-chlorophenyl)phenylmethyl]-1-piperazinyl]ethoxy]acetic Acid Ethyl Ester; USP Cetirizine Related Compound A;

Structure:



Molecular Formula:

C₂₃H₂₉ClN₂O₃

Molecular weight:

416.94

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 3-EJB-79-2

Purity: 97%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

| Tests: | Specifications: | Results: |
|-------------------|--------------------------------------|---------------------------------------|
| Appearance | Pale Yellow to Dark Orange Thick Oil | Pale Yellow to Light Yellow Thick Oil |
| NMR | Conforms to Structure | Conforms |
| HPLC Purity | Report Result | 97.80% (230 nm) |
| MS | Conforms to Structure | Conforms |
| Specific Rotation | Report Result | -0.2° (c = 0.5, Methanol) |

Additional Information: Contains: ~1.0% Dichloromethane

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 | 11/25/2021 | 11/23/2025 |