



CERTIFICATE OF ANALYSIS

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1. Identification

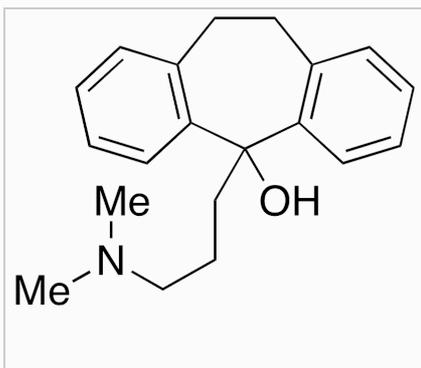
Catalogue Number: D470770

CAS Number: 1159-03-1

Product: 5-[3-(Dimethylamino)propyl]-10,11-dihydro-5H-dibenzo[a,d]cyclohepten-5-ol

Synonym: Amitriptyline Related Compound B USP, Amitriptyline EP Impurity D; Amitriptyline USP RC B/Amitriptynol (USP)

Structure:



Molecular Formula:

C₂₀H₂₅NO

Molecular weight:

295.42

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 5-SCC-180-1

Purity: 98%

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 | Off-White to Beige Solid | Off-White Solid |
| NMR | Conforms to Structure | Conforms |
| MS | Conforms to Structure | Conforms |
| HPLC Purity | Report Result | 99.54% (200 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 |
|--------------|---------------|--------------------|------------|-------------|
| Sarbjit Kaur | Toni Rantanen | Chanell Chu | 11/23/2023 | 11/21/2033 |