



CERTIFICATE OF ANALYSIS

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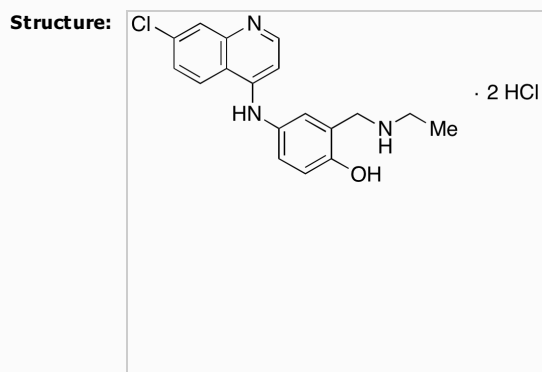
1. Identification

Catalogue Number: D288826

CAS Number: 79049-30-2

Product: N-Desethyl Amodiaquine Dihydrochloride

Synonym: 4-[(7-Chloro-4-quinolinyl)amino]-2-[(ethylamino)methyl]phenol Dihydrochloride; 4-(7-Chloro-4-quinolylamino)- α -ethylamino-o-cresol Dihydrochloride



Molecular Formula:

$C_{18}H_{18}ClN_3O \cdot 2(HCl)$

Molecular weight:

327.81 + 2(36.46)

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 3-GUN-92-1

Purity: 97%

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: |
|--------------------|-----------------------------|--------------------------------|
| Appearance | Pale Yellow to Yellow Solid | Pale Yellow to Yellow Solid |
| NMR | Conforms to Structure | Conforms |
| HPLC Purity | Report Result | 99.39% (225 nm) |
| MS | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 53.46, %H: 4.95, %N: 10.41 |

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 $\pm 2\%$. 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 | Reviewed By | C of A Approved By | Test Date | Retest Date |
|--------------|---------------|--------------------|-----------|-------------|
| Swathi Reddy | Toni Rantanen | Chanell Chu | 5/25/2023 | 5/23/2027 |