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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2023

Re-test Date: Mar 2025

**Product Name: Sertraline EP Impurity G**

### Identification:

Chemical Name: (1R,4R)-4-(3,4-Dichlorophenyl)-N-methyl-1,2,3,4-tetrahydronaphthalen-1-amine hydrochloride

Synonyms : Sertraline Enantiomer; Sertraline  
(1R,4R)-cis-Isomer

CAS Number : 79645-15-1

CAT Number : CP-S6007

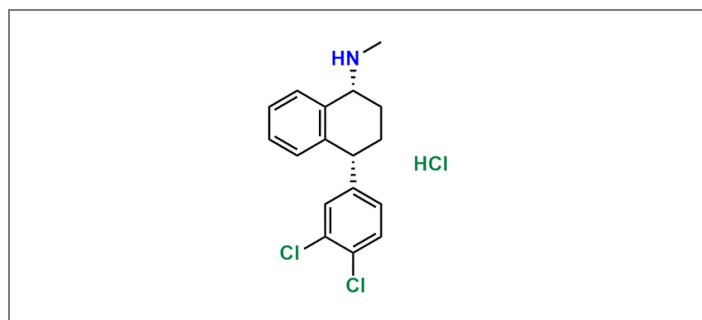
Molecular Formula : C<sub>17</sub>H<sub>17</sub>Cl<sub>2</sub>N : HCl

Molecular Weight : 306.23 : 36.5

Batch Number : CHEM-SER-G

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

| Sr. No. | Test               | Result                   |
|---------|--------------------|--------------------------|
| 1)      | Description        | White Solid              |
| 2)      | Solubility         | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS       | Confirm to structure     |
| 4)      | Purity By HPLC     | 99.39%                   |
| 5)      | <sup>1</sup> HNMR  | Confirm to structure     |
| 6)      | Weight loss by TGA | 0.9503%                  |
| 7)      | Potency by TGA     | 98.43%                   |



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.