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## CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2024

Re-test Date: Jan 2027

**Product Name: Sertraline EP Impurity F**

### Identification:

Chemical Name: (4R)-4-(3,4-dichlorophenyl)-3,4-dihydronaphthalen-1(2H)-one, (as per EP)

Synonyms : Sertralone ; Sertraline Tetralone  
(R)-Isomer

CAS Number : 155748-61-1

CAT Number : CP-S6006

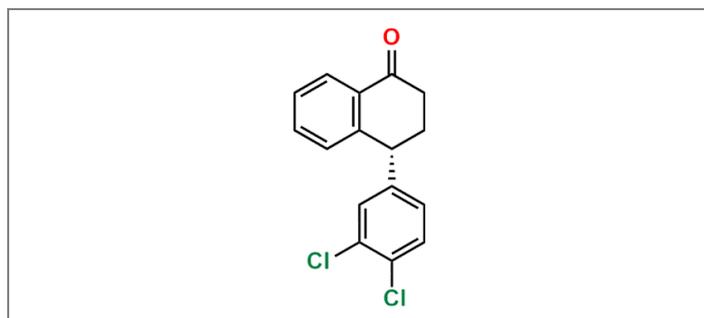
Molecular Formula : C<sub>16</sub>H<sub>12</sub>Cl<sub>2</sub>O

Molecular Weight : 291.17

Batch Number : CHEM-SER-F

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	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.48%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	0.93%
8)	Potency by TGA	98.8%



### 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.