

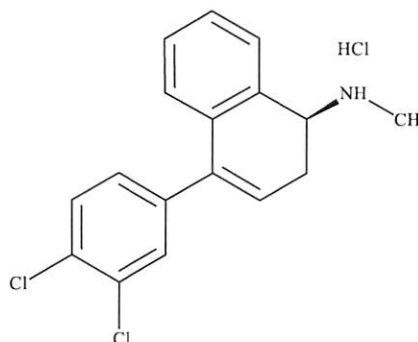
# Certificate of Analysis

Certificate No.: 20260612005


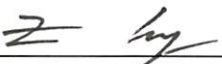
Date: June 12, 2026

Retest date: June 9, 2029

<b>Compound Name:</b> Sertraline Impurity 17 HCl	
<b>Synonyms:</b>	(S)-4-(3,4-dichlorophenyl)-N-methyl-1,2-dihydronaphthalen-1-amine, hydrochloride (1:1)
<b>TLC Catalogue Number:</b>	S-0353
<b>CAS Number:</b>	N/A
<b>Alternate CAS Number:</b>	3063108-49-3 (racemic, free base)
<b>Molecular Weight:</b>	304.21 36.46
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>15</sub> Cl <sub>2</sub> N. HCl
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	7464-008A4
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol, DMSO



Test Description	Specifications	Results
<b>Visual Description</b>	Off-white solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>98.7%</b>
<b>Impurity (HPLC)</b>	RT 18.79, 0.89%; RT 25.53, 0.15%	
<b>Water Content (KF)</b>	N/A	<b>0.2%</b>
<b>Optical Rotation</b>	N/A	[α] <sub>D</sub> <sup>25.0</sup> (c=0.66, DMSO): <b>-111.4°</b>
<b>Residual Solvents (NMR)</b>	0.3% methanol and 0.1% acetonitrile	
<b>Assay (%)</b>	Not less than 90.0%	<b>98.1%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/12/2026
Approved by:	Quality Assurance		06/12/2026

**Attachments:** Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.