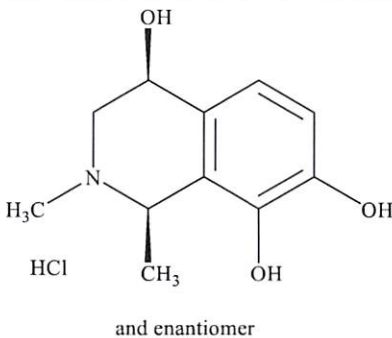


## Certificate of Analysis



Certificate No.: **20260611010**

Date: June 11, 2026

Retest date: June 8, 2027

<b>Compound Name:</b> <i>cis</i> -Epinephrine Impurity 122 HCl		 <p>and enantiomer</p>
<b>Synonyms:</b>	<i>rel</i> -(1R,4S)-1,2-dimethyl-1,2,3,4-tetrahydroisoquinoline-4,7,8-triol, hydrochloride (1:1)	
<b>TLC Catalogue Number:</b>	E-26147	
<b>CAS Number:</b>	92469-56-2	
<b>Alternate CAS Number:</b>	774139-35-4 (free base)	
<b>Molecular Weight:</b>	209.25 36.46	
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>15</sub> NO <sub>3</sub> . HCl	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	7337-082A3	
<b>Storage Conditions:</b>	Protect from light and air, hygroscopic, store at 2-8 °C	
<b>Solubility:</b>	Methanol, DMSO, Water, Ethanol	

Test Description	Specifications	Results
<b>Visual Description</b>	Pale brown 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>99.4%</b>
<b>Impurity (HPLC)</b>	RT 13.23, 0.33%; RT 15.88, 0.11%	
<b>Water Content (KF)</b>	N/A	<b>5.5%</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (%)</b>	Not less than 90.0%	<b>93.9%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/11/2026
Approved by:	Quality Assurance		06/11/2026

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