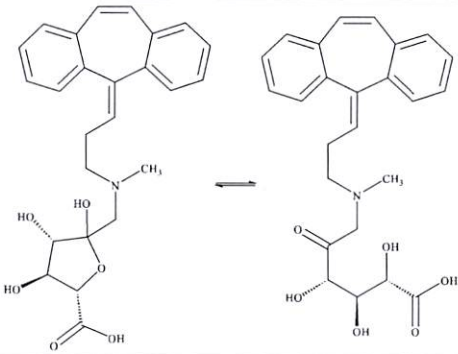


## Certificate of Analysis



Certificate No.: **20250626004**

Date: June 26, 2025

Retest date: June 17, 2028

<b>Compound Name:</b>	<b>Norcyclobenzaprine <i>N</i>-Glucuronide (Amadori Rearrangement Product)</b>		
<b>Synonyms:</b>	(2S,3S,4S)-5-(((3-(5 <i>H</i> -dibenzo[ <i>a,d</i> ][7]annulen-5-ylidene)propyl)(methyl)amino)methyl)-3,4,5-trihydroxytetrahydrofuran-2-carboxylic acid and (2S,3S,4S)-6-(((3-(5 <i>H</i> -dibenzo[ <i>a,d</i> ][7]annulen-5-ylidene)propyl)(methyl)amino)-2,3,4-trihydroxy-5-oxohexanoic acid		
<b>TLC Catalogue Number:</b>	C-3124		
<b>CAS Number:</b>	N/A		
<b>Alternate CAS Number:</b>	N/A		
<b>Molecular Weight:</b>	437.49		
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>27</sub> NO <sub>6</sub>		
<b>Source:</b>	TLC Pharmaceutical Standards		
<b>Source Lot No.:</b>	6868-067A1		
<b>Storage Conditions:</b>	Store at 2-8 °C		
<b>Solubility:</b>	DMSO, Acidic solution		

Test Description	Specifications	Results
<b>Visual Description</b>	Off-white solid	<b>Conforms</b>
<b>Identification</b>		
<b>IR</b>	Conforms to structure	<b>Conforms</b>
<b>MS</b>	Conforms to structure	<b>Conforms</b>
<b><sup>1</sup>H NMR</b>	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.0%</b>
<b>Impurity (HPLC)</b>	RT 10.11, 0.26%; RT 10.71, 0.30%; RT 12.31, 0.13%	
<b>Residual Solvents (NMR)</b>	0.1% formic acid	
<b>Assay (qNMR)</b>	Not less than 90.0%	<b>92.5%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/27/2025
Approved by:	Quality Assurance		06/27/2025

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