



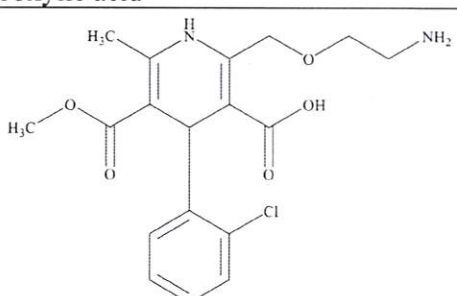
# TLC PHARMACEUTICAL STANDARDS

## Certificate of Analysis



Certificate No.: 20250120005

Date: January 20, 2025

Retest date: January 20, 2028

<b>Compound Name:</b>	<b>Amlodipine Impurity 15</b>	
<b>Synonyms:</b>	2-((2-aminoethoxy)methyl)-4-(2-chlorophenyl)-5-(methoxycarbonyl)-6-methyl-1,4-dihydropyridine-3-carboxylic acid	
<b>TLC Catalogue Number:</b>	A-0842	
<b>CAS Number:</b>	1809326-44-0	
<b>Molecular Weight:</b>	380.83	
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>21</sub> ClN <sub>2</sub> O <sub>5</sub>	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	3246-030A5	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	Alkaline solution, DMSO	

Test Description	Specifications	Results
<b>Visual Description</b>	White to 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>100.0%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Water Content (KF)</b>	N/A	<b>5.0%</b>
<b>Residual Solvents (NMR)</b>	1.1% methanol and 0.1% isopropanol	
<b>Assay (%)</b>	Not less than 90.0%	<b>93.8%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		01/20/2025
Approved by:	Quality Assurance		01/20/2025

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