

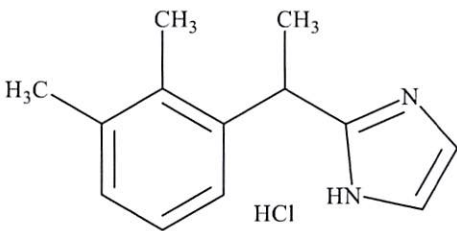
## Certificate of Analysis

Certificate No.: 20260612003



Date: June 12, 2026

Retest date: June 9, 2029

<b>Compound Name:</b> <i>rac</i> -Demiditraz HCl	
<b>Synonyms:</b>	2-(1-(2,3-dimethylphenyl)ethyl)-1 <i>H</i> -imidazole, hydrochloride (1:1)
<b>TLC Catalogue Number:</b>	D-319001
<b>CAS Number:</b>	N/A
<b>Alternate CAS Number:</b>	944263-08-5 (free base)
<b>Molecular Weight:</b>	200.29 36.46
<b>Molecular Formula:</b>	C <sub>13</sub> H <sub>16</sub> N <sub>2</sub> . HCl
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	7506-006A1
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol, DMSO, DMF, Ethanol



Test Description	Specifications	Results
<b>Visual Description</b>	White to 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>99.9%</b>
<b>Impurity (HPLC)</b>	N/A	
<b>Water Content (KF)</b>	N/A	<b>0.1%</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (%)</b>	Not less than 90.0%	<b>99.8%</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.