

## Certification of Analysis

<b>Product Name</b>	Aviptadil	<b>Batch No.</b>	L25T10256
<b>CAS No.</b>	40077-57-4	<b>MFG. Date</b>	25-Oct-24
<b>CAT No.</b>	P200126	<b>Retest Date</b>	25-Oct-27
<b>Items</b>	<b>Specification</b>	<b>Results</b>	
<b>Appearance</b>	White or off-white powder	White powder	
<b>Solubility</b>	Soluble in water	Confirms	
<b>Purity (HPLC)</b>	≥ 98.0%	99.4%	
<b>Mass spectrum</b>	3325.8±1.0	3325.7	
<b>Amino acid analysis</b>	His 0.9-1.1 Tyr 1.8-2.2 Ser 1.8-2.2 Arg 1.8-2.2 Asx 4.5-5.5 Leu 2.7-3.3 Ala 1.8-2.2 Lys 2.7-3.3 Val 1.8-2.2 Glx 0.9-1.1 Phe 0.9-1.1 Met 0.9-1.1 Thr 1.8-2.2 Ile 0.9-1.1	His 1.0 Tyr 2.1 Ser 1.8 Arg 2.0 Asx 5.2 Leu 3.1 Ala 1.9 Lys 2.9 Val 1.9 Glx 1.0 Phe 1.0 Met 0.9 Thr 2.0 Ile 1.0	
<b>Acetic acid</b>	≤ 15.0%	8.00%	
<b>Water Content (Karl Fischer)</b>	≤ 7.0%	4.20%	
<b>Related Substances</b>	Unspecified impurity for each impurity: ≤ 1.0%	0.39% (single largest impurity)	
<b>Residual Solvent</b> Methanol Acetonitrile Triethylamine	≤ 3000ppm ≤ 410ppm ≤ 320ppm	Confirms	
<b>Assay</b>	97.0%~103.0% (anhydrous and acetic acid free substance)	99.40%	
<b>Conclusion</b>	Corresponds		
<b>Storage Condition</b>	In an air tight container, protected from light Short-term storage: 2-8 °C Long-term storage: -20 °C		

QC:

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