

CERTIFICATION OF ANALYSIS	
Aviptadil Powder (Synthetic)	CAS: 40077-57-4
Product No.:800079	Batch No.: 24022321
Date of Mfg: Feb 23, 2024	Date of Exp: Feb 22, 2026
Sequence:His-Ser-Asp-Ala-Val-Phe-Thr-Asp-Asn-Tyr-Thr-Arg-Leu-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Asn-Ser-Ile-Leu-Asn-NH2	

Test	Specification	Result
Appearance	White or off-white powder	White powder
Solubility	Soluble in water	conforms
HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.	conforms
Amino acid analysis	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 2.0 Ser 1.9 Arg 1.9 Asx 5.1 Leu 3.0 Ala 1.9 Lys 2.9 Val 2.0 Glx 1.0 Phe 1.0 Met 1.1 Thr 2.0 Ile 0.9
MS	3325.8±1.0	3326.2
Related Substances	Unspecified impurity for each impurity: NMT1.0%	0.78%(single largest impurity)
Purity(HPLC)	NLT 98%	98.4%
Acetic acid	NMT 15.0%	7.9%
Water Content(Karl Fischer)	NMT 7.0%	4.7%
Assay	97.0%-103.0% (anhydrous and acetic acid free substance)	99.4%
Residual solvent Methanol Acetonitrile Triethylamine	NMT 3000ppm NMT 410 ppm NMT 320 ppm	conforms

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Storage: In an air tight container, protected from light

Temperature :Short Term:2-8℃ ; Long Term:below-10℃

Conclusion: the product complies with specification.

It is only supplied as chemical product. Used only for research. Not for human use.

Analysis :Janie.zhang
Date :2024.02.23

Approved by : Christ.zheng
Date :2024.02.23