

## CERTIFICATE OF ANALYSIS

## PTD-DBM

Dishevelled-Binding Motif Peptide · 50mg Lyophilised

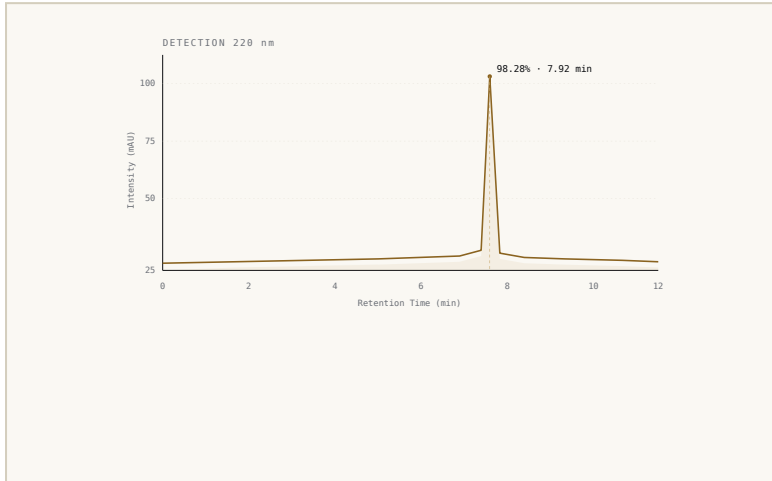
## 01 PRODUCT INFORMATION

PRODUCT	PTD-DBM	CAS NUMBER	Research compound
CHEMICAL NAME	PTD-DBM (Dvl-binding motif, cell-penetrating)	MOL. FORMULA	Cell-penetrating peptide
QUANTITY	50mg per vial	MOL. WEIGHT	approx. 2.0 kDa
BATCH / LOT	PTD250506	APPEARANCE	White lyophilised powder
MFG. DATE	06 May 2026	RETEST DATE	06 May 2028
STORAGE	2–8°C, dark, dry	INTENDED USE	Research Use Only

## 02 ANALYTICAL RESULTS

TEST ITEM	SPECIFICATION	RESULT	METHOD
Appearance	White to off-white lyophilised powder	✓ COMPLIES	Visual
Identification	Positive	✓ COMPLIES	HPLC / MS
Structural Confirmation	Matches reference standard	✓ COMPLIES	Mass Spec.
Purity	≥ 99.0%	98.28%	HPLC
Assay (Active Content)	≥ 98.0%	99.0%	HPLC
Water Content	≤ 8.0%	2.9%	Karl Fischer
Bacterial Endotoxins	≤ 10 EU/mg	< 2 EU/mg	LAL Test
Residual Solvents	Meets USP / EP requirements	✓ COMPLIES	GC
Heavy Metals	≤ 10 ppm	< 1 ppm	ICP-MS
Sterility	Sterile	✓ COMPLIES	USP <71>
pH (Reconstituted)	4.0 – 7.0	5.6	pH Meter

## 03 HPLC CHROMATOGRAM SUMMARY



MAIN PEAK RT	7.92 min
PEAK AREA	98.28%
TOTAL IMPURITIES	1.72%
DETECTION	UV 220 nm
COLUMN	C18 reversed-phase

## 04 MASS SPECTROMETRY SUMMARY

ANALYSIS MODE	LC-MS, positive ion mode
COMPONENT IDENTIFICATION	Major component detected at expected mass
REFERENCE STANDARD	Matches in-house reference
RESULT	✓ IDENTITY CONFIRMED

## 05 QUALITY ASSURANCE &amp; AUTHORISATION

*“This batch has been manufactured and tested in accordance with internal quality control procedures and complies with all specifications listed in this Certificate of Analysis.”*

**RELEASED**  
QC APPROVED

APPROVED BY

Daniel Hughes

QUALITY ASSURANCE MANAGER

SIGNATURE

*D. Hughes*

AUTHORISED DIGITALLY

DATE OF ISSUE

06 May 2026

ISSUED DIGITALLY

## 06 LABORATORY INFORMATION

ANALYTICAL TESTING BY

**Hongbai Technology Co.**

Independent third-party laboratory · HPLC · MS · ICP-MS · LAL

**ISO/IEC**  
**17025**  
ACCREDITED

ISSUED BY

Nexapep Ltd

DOCUMENT TYPE

Independent Third-Party CoA

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TEST REPORT NO.

HB-PTD250506

WEBSITE

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SAMPLE REFERENCE

PTD250506



DOCUMENT VERIFICATION REFERENCE

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