

Semax Nootropic peptide · RUO

PRODUCT	Semax	APPEARANCE	White powder or granule
LOT / BATCH NO.	CP52250801	MANUFACTURING DATE	2025-08-04
CAS NO.	80714-61-0	RETEST DATE	2027-08-03
MOLECULAR FORMULA	C ₃₇ H ₅₁ N ₉ O ₁₀ S	STORAGE	-20 °C, desiccated, protected from light
MOLECULAR WEIGHT	813.9 g/mol	REPORT DATE	2025-08-22

AMINO-ACID SEQUENCE
Met-Glu-His-Phe-Pro-Gly-Pro

#	TEST	SPECIFICATION	RESULT
1	Appearance	White powder or granule	Conforms
2	Identity by MS	813.9±1	813.80
3	Solubility	Soluble in water	Conforms
4	Peptide purity(By HPLC)	≥98.0%	99.77%
5	Water Content(Karl Fischer)	8.0%	2.86%
6	Acetic Acid Content(By HPLC)	15.0%	1.32%
7	TFA Content(By HPLC)	0.5%	N.D
8	Related Substance(By HPLC)	Total Impurities:2.0% Largest Single Impurity:1.0%	0.23% 0.23%
9	Peptide Content	Reported value	95.59%



AUTHENTICITY VERIFICATION
NST-SEMA-CP52250801-0F0145
Scan or visit nstresearch.com/verify?c=NST-SEMA-CP52250801-0F0145 to confirm this certificate against NST Research's issued-lot registry.



Batch analytical data reviewed & released under NST Research Quality Control

NST Research

Quality Control Department · Date: 2025-08-22

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