

## Certificate of Analysis

Name	Semax 10mg	CAS No.	80714-61-0
Formula	C37H51N9O10S	Origin	Chemical Synthesis
Lot No.	20260302	Manufacture Date	2026.03.02
Lot Size	/	Retest date	2028.03.01
Storage	Protected from light, at a temperature of $5 \pm 3^{\circ}\text{C}$		
Test Items	Acceptance Criteria	Test Results	
<b>【Description】</b>			
Appearance	White or off-white cake	White cake	
<b>【Identification】</b>			
HPLC Identification	The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay.	Conforms	
<b>【Test】</b>			
Purity	NLT 99.0%	99.7%	
Related Substances	Individual impurity NMT1%	0.25%	
	Total impurities NMT2.0%	0.47%	
Reconstitution time	Less than 30s	Less than 10s	
Clarity and Coloration of solution	Clear and colorless, or if its opalescence is not more pronounced than that of reference suspension 1	Conforms	
Water	NMT 5.0%	0.53%	
Higher molecular impurity	NMT 0.5%	0.17%	
Sterility Tests	Meet Requirements	Conforms	
Bacterial endotoxins	NMT 10 EU/mg	Less than 5 EU/mg	
<b>【Assay】</b>			
Assay	95.0% - 105.0% on C37H51N9O10S	99.63 %	
Content	9.46~ 14.58 mg/vial	11.85mg/Vial	
<b>Conclusion: The test results comply with the in-house specification.</b>			
<b>Important Notice: This PRODUCT IS INTENDED AS A RESEARCH CHEMICAL ONLY. This product is not a drug, food, or cosmetic.</b>			