

Certificate of Analysis



Product Identification

Catalog number	HB3407	
Compound name	[Ala ¹ , D-Leu ¹⁵]-Orexin B	H-Arg-Ser-Gly-Pro-Pro-Gly-Leu-
Amino acid sequence	RSGPPQLQGRAQRLLQASGNHAAGILTM	Gln-Gly-Arg-Ala-Gln-Arg-L-Leu-D-Leu-
Modifications	C-terminal amide	Gln-Ala-Ser-Gly-Asn-His-Ala-Ala-
Batch number	E1055-1-1	Gly-Ile-L-Leu-Thr-Met-Nil2
Batch molecular formula	C ₁₂₀ H ₂₀₈ N ₄₄ O ₃₂ S	
Batch molecular weight	2857.24	
Salt form	TFA Salt	

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >95% purity	Meets specification: 95.02%
Peptide content	Peptide content between 60 % and 100 %	Meets specification: 78.9 %
Mass spectrum	Mass spec analysis consistent with structure	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (1 mg/ml)	Meets specification

Produced by

Signature

Passed by

Signature

Date

26-04-19

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.