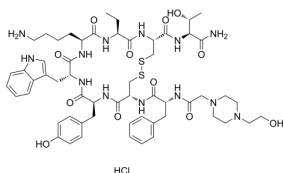


Certificate of Analysis

Product Name:	BIM-23190 (hydrochloride)
Cat. No.:	CS-0146507
Batch No.:	97459
Chemical Name:	L-Threoninamide, N-[2-[4-(2-hydroxyethyl)-1-piperazinyl]acetyl]-D-phenylalanyl-L-cysteinyl-L-tyrosyl-D-tryptophyl-L-lysyl-(2S)-2-aminobutanoyl-L-cysteinyl-, cyclic (2→7)-disulfide (hydrochloride)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₅₇ H ₈₀ ClN ₁₃ O ₁₂ S ₂
Molecular Weight:	1238.91
Storage:	-80°C, 2 years; -20°C, 1 year (Sealed storage, away from moisture)
Chemical Structure:	



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
LCMS:	Consistent with structure
Purity (LCMS):	98.62%
Elemental Analysis	
Theoretical:	C(-), H(-), N(-), Peptide Content(≥60.0%)
Result:	C(47.41%), H(6.13%), N(12.70%), Peptide Content(83.90%)
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA