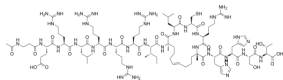


Certificate of Analysis

Product Name:	SAHM1
Cat. No.:	CS-0113115
CAS No.:	2050906-89-1
Batch No.:	263481
Chemical Name:	(3S,4S,7S,13S,16S,19S,22S)-22-(3-Acetamidopropanamido)-4-(((3S,6R,9S,12R,21S,E)-21-((S)-1-(((S)-1-(((S)-1-(((1S,2R)-1-carboxy-2-hydroxypropyl)amino)-3-hydroxy-1-oxopropan-2-yl)amino)-3-(1H-imidazol-5-yl)-1-oxopropan-2-yl)amino)-3-(1H-imidazol-5-yl)-1-oxopropan-2-yl)carbamoyl)-3-(3-guanidinopropyl)-9-isobutyl-6-(mercaptomethyl)-12,21-dimethyl-2,5,8,11-tetraoxo-1,4,7,10-tetraazacycloheptadecan-16-en-12-yl)carbamoyl)-7,10,13,19-tetrakis(3-guanidinopropyl)-16-isobutyl-3-methyl-6,9,12,15,18,21-hexaoxo-5,8,11,14,17,20-hexaazapentacosan-25-oic acid

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₉₄ H ₁₆₂ N ₃₆ O ₂₃ S
Molecular Weight:	2196.58
Storage:	-80°C, 2 years; -20°C, 1 year (Sealed storage, away from moisture and light, under nitrogen)
Chemical Structure:	



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
MS:	Consistent with structure
Purity (HPLC):	96.84%
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.

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