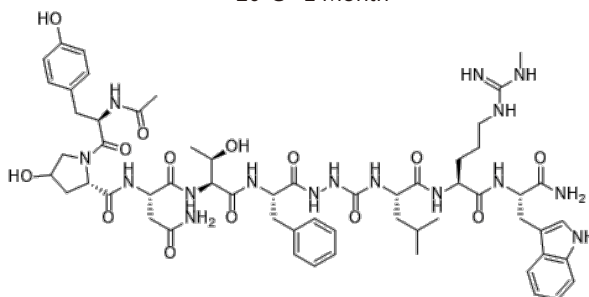


**Product Name** : TAK-448  
**Cat. No.** : PC-22641  
**CAS No.** : 1234319-68-6  
**Batch No.** : PC-2264101  
**Chemical Name** : L-Tryptophanamide, N-acetyl-D-tyrosyl-(4R)-4-hydroxy-L-prolyl-L-asparaginyl-L-threonyl-L-phenylalanyl-2-azaglycyl-L-leucyl-N5-[imino(methylamino)methyl]-L-ornithyl-

## PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Weight** : 1225.38  
**Molecular Formula** : C<sub>58</sub>H<sub>80</sub>N<sub>16</sub>O<sub>14</sub>  
**Storage** : Powder -20°C 12 Months  
4°C 6 Months  
In solvent -80°C 6 Months  
-20°C 1 Month

**Chemical Structure** :



## ANALYTICAL DATA

**Appearance** : Solid powder  
**<sup>1</sup>H NMR Spectrum** : Consistent with  
**HPLC** : Consistent with  
**NP** : Consistent with  
**Purity (HPLC and/or LCMS)** : >98%  
**Conclusion** : The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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