

## Kisspeptin-54(human) (TFA)

**Cat. No.:** HY-P1022A  
**Batch No.:** 255210  
**Chemical Name:** L-Phenylalaninamide, glycyl-L-threonyl-L-seryl-L-leucyl-L-seryl-L-prolyl-L-prolyl-L-prolyl-L- $\alpha$ -glutamyl-L-seryl-L-serylglycyl-L-seryl-L-arginyl-L-glutaminy-L-glutaminy-L-prolylglycyl-L-leucyl-L-seryl-L-alanyl-L-prolyl-L-histidyl-L-seryl-L-arginyl-L-glutaminy-L-isoleucyl-L-prolyl-L-alanyl-L-prolyl-L-glutaminyglycyl-L-alanyl-L-valyl-L-leucyl-L-valyl-L-glutaminy-L-arginyl-L- $\alpha$ -glutamyl-L-lysyl-L- $\alpha$ -aspartyl-L-leucyl-L-prolyl-L-asparaginy-L-tyrosyl-L-asparaginy-L-tryptophyl-L-asparaginy-L-seryl-L-phenylalanylglycyl-L-leucyl-L-arginyl, TFA

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>258</sub>H<sub>401</sub>N<sub>79</sub>O<sub>78</sub>.C<sub>2</sub>HF<sub>3</sub>O<sub>2</sub>  
**Molecular Weight:** 5971.45  
**Storage:** Sealed storage, away from moisture  
Powder            -80°C      2 years  
                         -20°C      1 years  
\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### Chemical Structure:

GTSLSPPESSGSRQOPGLSAPHSRQIPA-  
POGAVLVQREKDLPNYNWNSFGLRF-NH<sub>2</sub> (TFA salt)

### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**LCMS:** Consistent with structure  
**Purity (LCMS):** 99.66%  
**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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