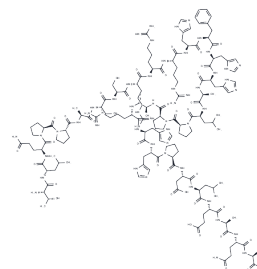


TLQP-30

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 922704-13-0   |
| Formula:          | C150H232N54O40  |
| Molecular Weight: | 3431.78   |
| Storage:          | Keep away from moisture<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |



## Biological Description

|             |  |
|-------------|--|
| Description | Chronic intracerebroventricular (ICV) injection of a VGF peptide named TLQP-21 increased resting energy expenditure and temperature in mice. Furthermore, in mice fed a high-fat diet, the same peptide prevented the increase in body and white adipose tissue (WAT) weight as well as hormonal changes associated with a high-fat regimen. |
|-------------|--|

## Solubility Information

|            |   |
|------------|---|
| Solubility | H2O: Soluble,<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.2914 mL | 1.457 mL  | 2.9139 mL |
| 5 mM  | 0.0583 mL | 0.2914 mL | 0.5828 mL |
| 10 mM | 0.0291 mL | 0.1457 mL | 0.2914 mL |
| 50 mM | 0.0058 mL | 0.0291 mL | 0.0583 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

D'Amato F, et al. Differential distribution of VGF-derived peptides in the adrenal medulla and evidence for their selective modulation. J Endocrinol. 2008 May;197(2):359-69.

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