

## Brain Natriuretic Peptide-45, mouse

**Cat. No.:** HY-P2469  
**CAS No.:** 1816939-52-2  
**Batch No.:** 110083  
**Chemical Name:** L-Leucine, L-seryl-L-glutaminyglycyl-L-seryl-L-threonyl-L-leucyl-L-arginyl-L-valyl-L-glutaminy-L-glutaminy-L-arginyl-L-prolyl-L-glutaminy-L-asparaginy-L-seryl-L-lysyl-L-valyl-L-threonyl-L-histidyl-L-isoleucyl-L-seryl-L-seryl-L-cysteinyl-L-phenylalanyglycyl-L-histidyl-L-lysyl-L-isoleucyl-L- $\alpha$ -aspartyl-L-arginyl-L-isoleucylglycyl-L-seryl-L-valyl-L-seryl-L-arginyl-L-leucylglycyl-L-cysteinyl-L-asparaginy-L-alanyl-L-leucyl-L-lysyl-L-leucyl-, cyclic (23 $\rightarrow$ 39)-disulfide

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>209</sub>H<sub>354</sub>N<sub>70</sub>O<sub>63</sub>S<sub>2</sub>  
**Molecular Weight:** 4919.61  
**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:

SQGSTLRVQQRPNQSKVTHISS  
CFGHKIDRIGSVSRLGCNALKLL  
(Disulfide bridge:Cys<sub>23</sub>-Cys<sub>39</sub>)

### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**LCMS:** Consistent with structure  
**Purity (LCMS):** 98.93%  
**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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