

BDNF alternative peptide (TrkB agonist)

Code	PG-003
MW (Acetate):	5151.66
Purity:	≥95% (HPLC)
Amount:	10 µg

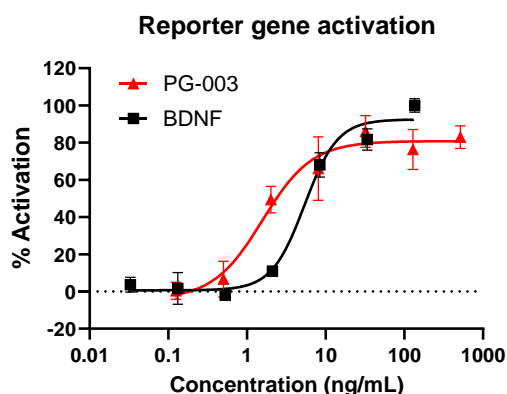
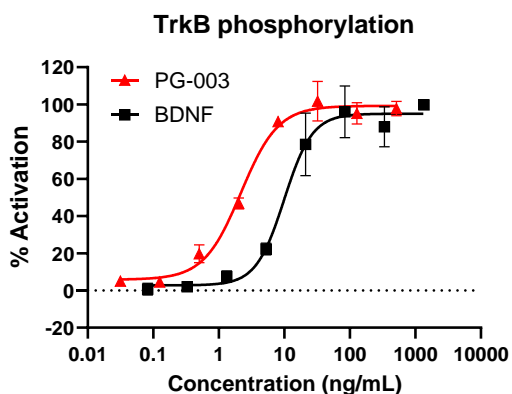
Formulation: This vial contains 10 µg of the titled compound, which has been lyophilized from 0.2 µm filtered DMSO solution.

Reconstitution: Reconstitute at 100~500 µg/mL in **DMSO**. Centrifuge the vial before opening.
Rinse the inside of the vial thoroughly with DMSO.
 When further diluting the DMSO solution, we recommend using a buffered solution (e.g., PBS) with a carrier component to prevent peptide adhesion.
 <Example>
 A 100 µg/mL solution can be prepared by reconstituting 10 µg of peptide in 100 µL DMSO.

Storage: Store at -20°C or below for the container vial unopened. Recommend to use the peptide as quickly as possible after opening and reconstitution.

Activity: Measured by its ability to induce TrkB phosphorylation and NFAT activation (Reporter Assay).
Expected ED₅₀ for these effects is ~2 ng/mL

Evaluation Guideline: PG-003 is expected to **exhibit comparable activity at 1/2.5 (ng/mL basis) of rBDNF**. Determine the optimal concentration under your test conditions by testing at least three points around 1/2.5 of rBDNF.



This product is "For Research Use Only"