

TPO alternative peptide (TPOR agonist)

Code	PG-010
MW (Acetate):	7148.02
Purity:	≥95% (HPLC)
Amount:	10 µg

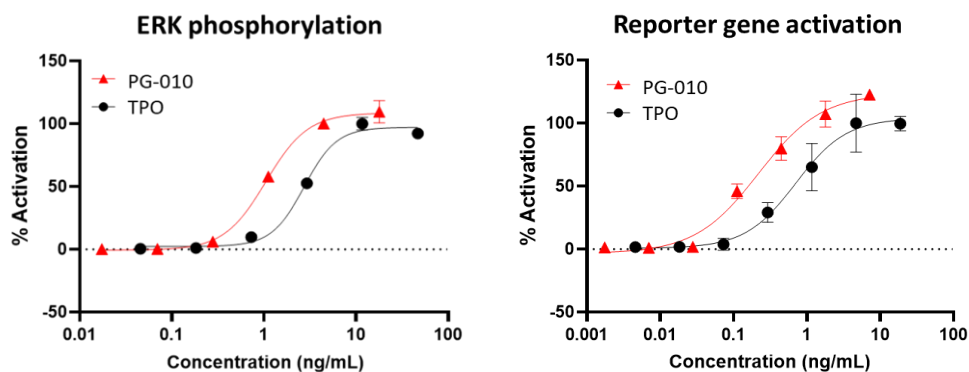
Formulation: This vial contains 10 µg of the titled compound, which has been lyophilized from 0.2 µm filtered DMSO solution.

Reconstitution: Reconstitute at 100~200 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 phosphorylation of ERK in the downstream signaling of the TPO signaling pathway, as well as by the reporter gene activation assay on the JAK2-STAT5 signaling pathway.
The expected ED50 for these effects is 0.25~1.5 ng/mL.

Evaluation Guideline: PG-010 is expected to **exhibit comparable activity at approximately 1/2.6 (ng/mL basis) of rTPO**. Determine the optimal concentration under your test conditions by starting at 1/2.6 of rTPO and testing at several points around this concentration, such as 1x and 2.5x of rTPO.



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