

Noggin-like peptide(BMP4, 7 inhibitor)

Code PG-004

MW (Acetate): 2920.15

Purity: ≥95% (HPLC)

Amount: 5 µg

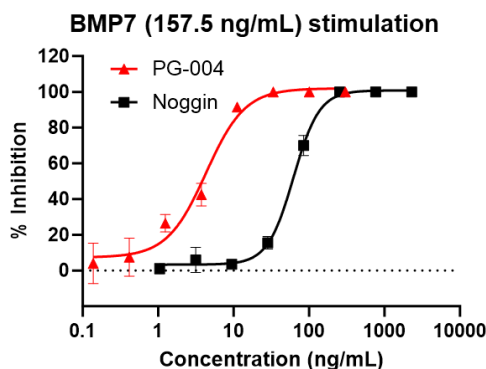
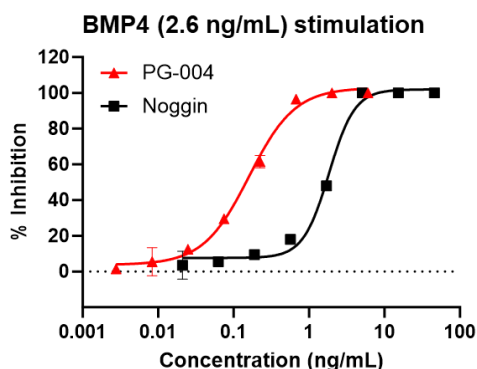
Formulation: This vial contains 5 µg of the titled compound, which has been lyophilized from 0.2 µm filtered DMSO solution.

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 5 µg of peptide in 50 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 inhibit smad1 phosphorylation induced by BMP4(2.6 ng/mL) or BMP7(157.5 ng/mL) in A549 cell.
Expected IC₅₀ for these effects is 0.2~5 ng/mL

Evaluation Guideline: PG-004 is expected to **exhibit comparable activity at 1/2 to 1/8 (ng/mL) of rNoggin**. Determine the optimal concentration under your test conditions by starting at 1/8 of rNoggin and selecting at least two higher concentrations (e.g., 1/4 and 1/2)



This product is "For Research Use Only"