

BMP4 selective inhibitor

Code	PG-006
MW (Acetate):	3301.59
Purity:	≥95% (HPLC)
Amount:	10 µg

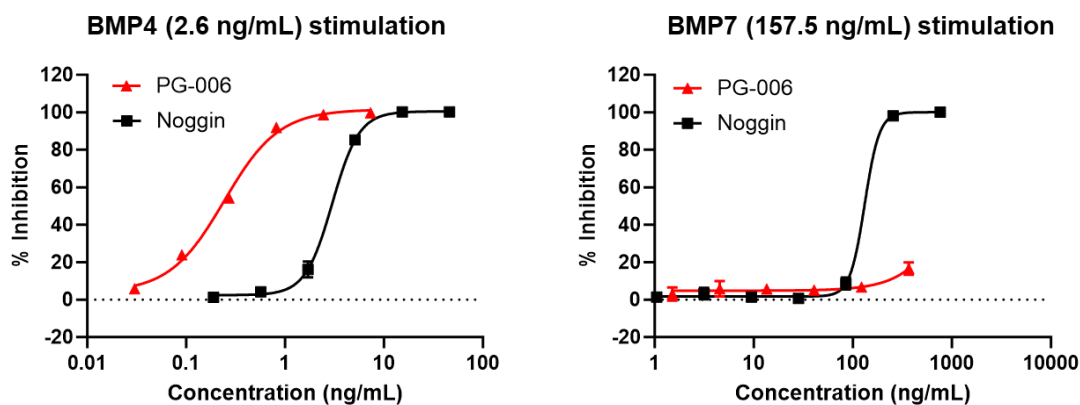
Formulation: This vial contains 10 µg of the titled compound, which has been lyophilized from 0.2 µm filtered DMSO solution.

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 inhibit smad1 phosphorylation induced by BMP4(2.6 ng/mL) or BMP7(157.5 ng/mL) in A549 cell.
Expected IC₅₀ for BMP4 is ~0.3 ng/mL under this condition.

Evaluation Guideline: PG-006 is expected to exhibit activity comparable to rNoggin at the same molar concentration, approximately 1/7 (ng/mL) of rNoggin. Determine the optimal concentration under your test conditions by testing at least three points around this concentration.



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