

## VEGF alternative peptide (VEGFR2 agonist)

**Code** PG-007  
**MW :** 4785.32  
**Purity:** ≥95% (HPLC)

**Amount:** 5 µg

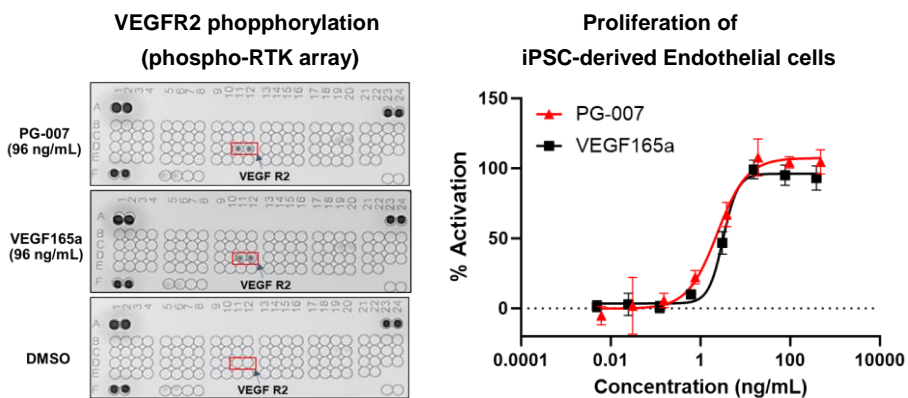
**Formulation:** This vial contains 5 µg of the titled compound, which has been lyophilized from 0.2 µm filtered DMSO solution.

**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 induce VEGFR2 phosphorylation and endothelial cell proliferation.  
**Expected ED<sub>50</sub> for this proliferation assay is ~3 ng/mL**

**Evaluation Guideline:** PG-007 is expected to **exhibit comparable activity at 1/2 to 1/8 (ng/mL basis) of rVEGF**. Determine the optimal concentration under your test conditions by testing at three to four points around 1/8 of rVEGF, such as 1/2, 1/4, and 1/16. Please note that PG-007 is specific to human VEGFR2.



**This product is "For Research Use Only"**