



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## VPM-p15

Cat. No.:	HY-P10365
Molecular Formula:	C <sub>75</sub> H <sub>126</sub> N <sub>18</sub> O <sub>22</sub>
Molecular Weight:	1631.91
Sequence:	Val-Ser-{Phe(4-Me)}-Gly-Ile-Leu-Leu-Asp-Leu-Ser-Arg-Thr-Ser-Leu-Pro
Sequence Shortening:	VS-{Phe(4-Me)}-GILLDLSRTSLP
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder    -80°C    2 years
	-20°C    1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

## BIOLOGICAL ACTIVITY

### Description

Vmm-p15 is a peptide agonist optimized for the adhesion G protein-coupled receptor GPR64 (also known as ADGRG2 or HE6). The affinity of VPM-p15 with GPR64 is significantly higher than that of the original p15 peptide. The cAMP level induced by VMM-P15 increased significantly, activated GPR64, and triggered downstream Gs, Gq, and G12/13 signaling. VPM-p15 can be used to study the activation mechanism of adherent GPCR family members<sup>[1]</sup>.

## REFERENCES

[1]. Sun Y, et al. Optimization of a peptide ligand for the adhesion GPCR ADGRG2 provides a potent tool to explore receptor biology[J]. Journal of Biological Chemistry, 2021, 296.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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