



# 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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## palm-PrRP31

<b>Cat. No.:</b>	HY-P10379
<b>Molecular Formula:</b>	C <sub>176</sub> H <sub>282</sub> N <sub>56</sub> O <sub>43</sub> S
<b>Molecular Weight:</b>	3902.54
<b>Sequence:</b>	{N-palm-Ser}-Arg-Thr-His-Arg-His-Ser-Met-Glu-Ile-Arg-Thr-Pro-Asp-Ile-Asn-Pro-Ala-Trp-Tyr-Ala-Ser-Arg-Gly-Ile-Arg-Pro-Val-Gly-Arg-Phe-NH <sub>2</sub> (palm=palmitoyl (C16))
<b>Sequence Shortening:</b>	{N-palm-Ser}-RTHRHSMEIRTPDINPAWYASRGIRPVGRF-NH <sub>2</sub> (palm=palmitoyl (C16))
<b>Target:</b>	Neuropeptide FF Receptor
<b>Pathway:</b>	GPCR/G Protein
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

palm-PrRP31 is a potent dual receptor agonist for both GPR10 (EC<sub>50</sub>=72 pM) and NPFF-R2. palm-PrRP31 activates downstream signaling pathways through binding to its receptors, GPR10 and NPFF-R2, which results in reduced appetite and increased energy expenditure. Utilizing palm-PrRP31 facilitates the study of the mechanism of action in the nervous system, thereby elucidating the complex biological processes that regulate appetite and energy expenditure<sup>[1]</sup>.

### REFERENCES

[1]. Strnadová V, et al. Search for lipidized PrRP analogs with strong anorexigenic effect: in vitro and in vivo studies[J]. *Neuropeptides*, 2023, 98: 102319.

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

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