



# 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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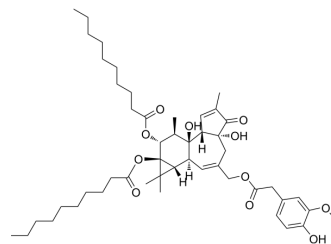
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## PDDHV

Cat. No.:	HY-130358
CAS No.:	179469-40-0
Molecular Formula:	C <sub>49</sub> H <sub>72</sub> O <sub>11</sub>
Molecular Weight:	837.09
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

PDDHV is a calcium absorption inducer and may achieve  $45\text{Ca}^{2+}$  influx by stimulating vanillic acid receptor VR1. PDDHV induces  $45\text{Ca}^{2+}$  uptake ( $\text{EC}_{50}$ : 70 nM) in rat dorsal root ganglion neurons (expressing native vanilloid receptors) and calcium mobilization ( $\text{EC}_{50}$ : 125 nM) in VR1-transfected CHO cells. PDDHV also inhibits [ $^3\text{H}$ ]-resiniferatoxin (RTX) binding to the dorsal root ganglion membrane in rats<sup>[1]</sup>.

## REFERENCES

[1]. Szallasi A, Szabo T, Biro T, et al. Resiniferatoxin-type phorboid vanilloids display capsaicin-like selectivity at native vanilloid receptors on rat DRG neurons and at the cloned vanilloid receptor VR1[J]. British journal of pharmacology, 1999, 128(2): 428-434.

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

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