



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

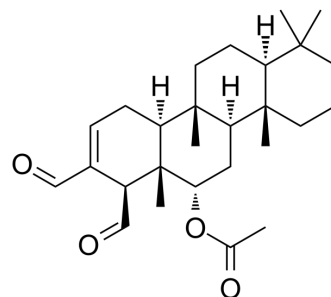
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Scalaradial

<b>Cat. No.:</b>	HY-123245
<b>CAS No.:</b>	53527-28-9
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>40</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	428.6
<b>Target:</b>	TRP Channel; Phospholipase; ERK; Akt
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling; Metabolic Enzyme/Protease; MAPK/ERK Pathway; Stem Cell/Wnt; PI3K/Akt/mTOR
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Scalaradial is an inhibitor for bee venom phospholipase A2 (PLA2) and transient receptor potential melastatin 2 (TRPM2) ion channels, with IC <sub>50</sub> of 0.07 and 0.21 μM. Scalaradial regulates the phosphorylation of ERK, by inhibiting secretory PLA2 and Akt. Scalaradial inhibits the PMA (HY-18739)-induced release of Arachidonic acid (HY-109590) in the mouse peritoneal macrophage <sup>[1][2][3]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	sPLA2 70 nM (IC <sub>50</sub> )	TRPM2 210 nM (IC <sub>50</sub> )	TRPM7 760 nM (IC <sub>50</sub> )

### REFERENCES

- [1]. Starkus JG, et al., Scalaradial Is a Potent Inhibitor of Transient Receptor Potential Melastatin 2 (TRPM2) Ion Channels. *J Nat Prod.* 2017 Oct 27;80(10):2741-2750.
- [2]. de Carvalho MS, et al., Two-step inactivation of bee venom phospholipase A2 by scalaradial. *Biochem Pharmacol.* 1991 Sep 27;42(8):1621-6.
- [3]. Xie Y, et al., Biphasic regulation of extracellular signal-regulated kinases by scalaradial, a secretory phospholipase A(2) inhibitor. *Cancer Biol Ther.* 2006 Aug;5(8):988-92.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA