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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

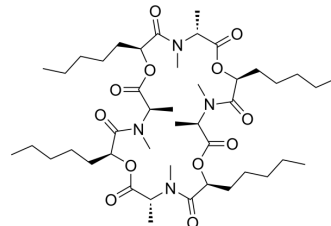
mail@szabo-scandic.com

www.szabo-scandic.com

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

Ent-(+)-Verticilide

Cat. No.:	HY-N7491A
CAS No.:	2056011-05-1
Molecular Formula:	C ₄₄ H ₇₆ N ₄ O ₁₂
Molecular Weight:	853.09
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

ent-(+)-verticilide is a potent and selective inhibitor of cardiac ryanodine receptor (RyR2) calcium release channels with antiarrhythmic activity. ent-(+)-verticilide inhibits RyR2-mediated diastolic Ca²⁺ leak and exhibits higher potency and a distinct mechanism of action compared with the Dantrolene and Tetracaine. ent-(+)-verticilide is a useful tool to investigate the therapeutic potential of targeting RyR2 hyperactivity in heart and brain pathologies^[1].

REFERENCES

[1]. Suzanne M Batiste, et al. Unnatural verticilide enantiomer inhibits type 2 ryanodine receptor-mediated calcium leak and is antiarrhythmic. Proc Natl Acad Sci U S A. 2019 Mar 12;116(11):4810-4815.

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