



# SZABO SCANDIC

Part of Europa Biosite

## 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

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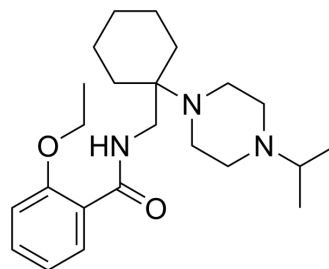
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## pan-HCN-IN-1

<b>Cat. No.:</b>	HY-163455
<b>CAS No.:</b>	1334308-63-2
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>37</sub> N <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	387.56
<b>Target:</b>	HCN Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	pan-HCN-IN-1 (Compound J&J12e) is an inhibitor for hyperpolarization-activated and cyclic-nucleotide-gated 1 (HCN1) ion channel, with IC <sub>50</sub> of 58 nM. pan-HCN-IN-1 reduces the voltage sag response and enhances EPSP summation in ex vivo rats brain slices <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 58 nM (HCN1)

### REFERENCES

[1]. Harde E, et al., Selective and brain-penetrant HCN1 inhibitors reveal links between synaptic integration, cortical function, and working memory. *Cell Chem Biol.* 2024 Mar 21;31(3):577-592.e23.

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

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