



# 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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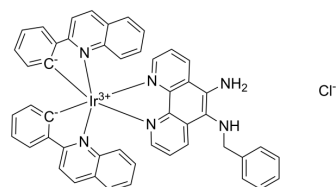
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## Ir-ImNO

<b>Cat. No.:</b>	HY-161476
<b>Molecular Formula:</b>	C <sub>49</sub> H <sub>36</sub> ClIrN <sub>6</sub>
<b>Molecular Weight:</b>	936.52
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	Ir-ImNO is a mitochondria-targeted two-photon probe with excellent cell membrane permeability, capable of detecting both endogenous and exogenous cell membrane permeability. Ir-ImNO can monitor different immune response states of macrophages through various imaging techniques, including one-photon and two-photon phosphorescence imaging as well as phosphorescence lifetime imaging. Ir-ImNO can be utilized in the research to assist in the clinical monitoring of immunotherapy <sup>[1]</sup> .
<b>In Vitro</b>	Ir-ImNO (5 μM; 6-48 h) exhibits low cytotoxicity in 4T1 and RAW 264.7 cells, maintaining a cell survival rate of over 80% after 48 hours of incubation <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Wen Y, et al. A Mitochondria-Targeted Nitric Oxide Probe for Multimodality Imaging of Macrophage Immune Responses. *Anal Chem.* 2024;96(17):6666-6673.

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

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