



# 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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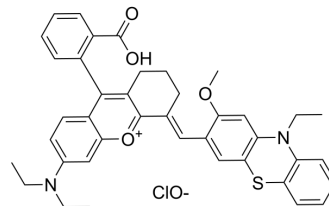
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## Mito-Rh-S

Cat. No.:	HY-D2312
Molecular Formula:	C <sub>40</sub> H <sub>39</sub> ClN <sub>2</sub> O <sub>5</sub> S
Molecular Weight:	695.27
Target:	Fluorescent Dye; Ferroptosis
Pathway:	Others; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Mito-Rh-S is a ratiometric near-infrared (NIR) fluorescent probe that detects the fluctuation of mitochondrial HClO levels during ferroptosis in hepatocellular carcinoma (HCC) <sup>[1]</sup> .
<b>In Vitro</b>	Mito-Rh-S has an ultrafast response rate (2s) and large emission shift (115 nm). Mito-Rh-S has a high signal-to-noise ratio <sup>[1]</sup> . The cell experiments of Mito-Rh-S demonstrated that Fe <sup>2+</sup> - and Erastin-induced ferroptosis in HepG2 cells resulted in elevated levels of mitochondrial HClO <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Bo Zhao, et al. Ratiometric Near-Infrared Fluorescent Probe Monitors Ferroptosis in HCC Cells by Imaging HClO in Mitochondria. *Anal Chem.* 2024 Apr 16;96(15):5992-6000.

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

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