



# 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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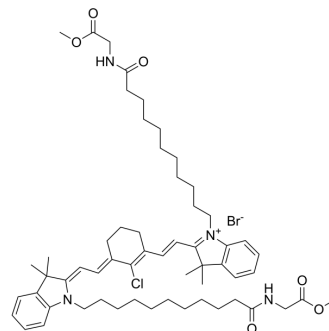
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## IR-58

Cat. No.:	HY-D2227
CAS No.:	2374274-85-6
Molecular Formula:	C <sub>58</sub> H <sub>82</sub> BrClN <sub>4</sub> O <sub>6</sub>
Molecular Weight:	1046.65
Target:	Autophagy; Apoptosis
Pathway:	Autophagy; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

IR-58, a mitochondria-targeting near-infrared (NIR) fluorophore, is an autophagy enhancer. IR-58 kills tumour cells and induces apoptosis via inducing excessive autophagy, which is mediated through the reactive oxygen species (ROS)-Akt-mTOR pathway<sup>[1]</sup>.

### REFERENCES

[1]. Yinghui Huang, et al. Identification of a fluorescent small-molecule enhancer for therapeutic autophagy in colorectal cancer by targeting mitochondrial protein translocase TIM44. Gut. 2018 Feb;67(2):307-319.

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

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