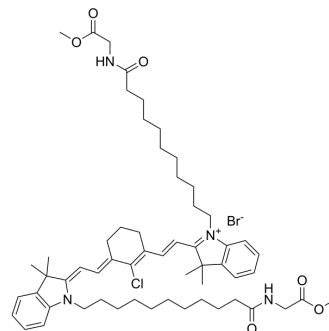


IR-58

Cat. No.:	HY-D2227
CAS No.:	2374274-85-6
Molecular Formula:	C ₅₈ H ₈₂ BrClN ₄ O ₆
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^[1].

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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