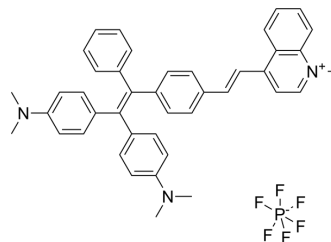


TPEQM-DMA

Cat. No.:	HY-155003
Molecular Formula:	C ₄₂ H ₄₀ F ₆ N ₃ P
Molecular Weight:	731.75
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

TPEQM-DMA is a NIR-II photosensitizer. TPEQM-DMA accumulates in cancerous mitochondria, and inhibits cancer cell growth. TPEQM-DMA has potent type-I phototherapeutic efficacy to overcome the intrinsic pitfalls of PDT in combating hypoxic tumors^[1].

REFERENCES

[1]. Zhuang J, et al. Efficient NIR-II Type-I AIE Photosensitizer for Mitochondria-Targeted Photodynamic Therapy through Synergistic Apoptosis-Ferroptosis. ACS Nano. 2023 May 23;17(10):9110-9125.

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

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