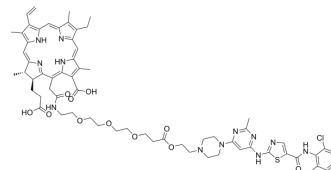


Antitumor photosensitizer-4

Cat. No.:	HY-156092
Molecular Formula:	C ₆₅ H ₇₇ ClN ₁₂ O ₁₁ S
Molecular Weight:	1269.9
Target:	BCRP; Apoptosis
Pathway:	Membrane Transporter/Ion Channel; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Antitumor photosensitizer-4 (compound 10b) is a potent tyrosine kinase inhibitor (TKI) targeting ABCG2. Antitumor photosensitizer-4 is a photosensitizer (PS) consisting of a conjugate of dasatinib (HY-10181) and imatinib (HY-15463). Antitumor photosensitizer-4 induces apoptosis and ROS production and exhibits strong phototoxicity to HepG2 and B16-F10 cells ^[1] .
In Vitro	Antitumor photosensitizer-4 arrests cell cycle at S phase, MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Antitumor photosensitizer-4 () inhibits tumor growth and prolong survival time on BALB/c nude mice bearing HepG2 xenograft tumor. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Huang F, et al. Novel chlorin e6-based conjugates of tyrosine kinase inhibitors: Synthesis and photobiological evaluation as potent photosensitizers for photodynamic therapy. *Eur J Med Chem.* 2023 Sep 5;261:115787...

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA