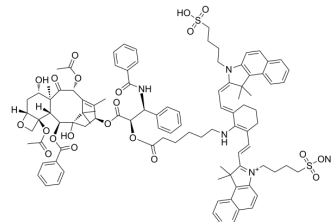


IR820-PTX

Cat. No.:	HY-157529
CAS No.:	2250419-19-1
Molecular Formula:	$C_{99}H_{112}N_4NaO_{21}S_2^+$
Molecular Weight:	1781.08
Target:	Microtubule/Tubulin; Fluorescent Dye
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

IR820-PTX, an IR-820 (HY-136886)-Paclitaxel (HY-B0015) conjugate, is an amphipathic small molecule prodrug. IR820-PTX effectively inhibits tumor growth via combined photothermal therapy (PTT) and chemotherapy^{[1][2]}.

REFERENCES

[1]. Zhang D, et al. pH- and Enzyme-Sensitive IR820-Paclitaxel Conjugate Self-Assembled Nanovehicles for Near-Infrared Fluorescence Imaging-Guided Chemo-Photothermal Therapy. *ACS Appl Mater Interfaces*. 2018 Sep 12;10(36):30092-30102.

[2]. Yu-Xia Luan, et al. Preparation method and application of amphiphilic small molecule prodrug of ir820-ptx combined with photothermal therapy and chemotherapy and its nanoparticles. CN108727353B.

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

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