



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 Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

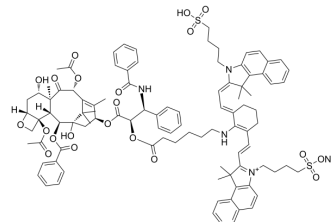
www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)



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.

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