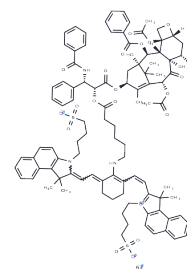


IR820-PTX

## Chemical Properties

CAS No. : 2250419-19-1  
 Formula: C99H111N4NaO21S2  
 Molecular Weight: 1780.07  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	IR820-PTX is a nanoparticle composed of IR-820 and paclitaxel that is highly permeable and tumor-targeting. IR820-PTX can be used for near-infrared fluorescence imaging and tumor diagnostics. 9-cis-Retinoic Acetylcholine (RAC) is a nanoparticle that is highly permeable and tumor-targeting.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5618 mL	2.8089 mL	5.6178 mL
5 mM	0.1124 mL	0.5618 mL	1.1236 mL
10 mM	0.0562 mL	0.2809 mL	0.5618 mL
50 mM	0.0112 mL	0.0562 mL	0.1124 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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.

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