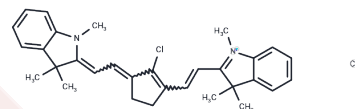


IR-797 chloride

Chemical Properties

CAS No. :	110992-55-7
Formula:	C ₃₁ H ₃₄ Cl ₂ N ₂
Molecular Weight:	505.52
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	IR-797 chloride, a near-infrared (NIR) dye, exhibits absorption maxima near 700 nm and demonstrates aggregation-induced-emission (AIE) properties. Additionally, IR-797 shows cytotoxic [1] [2].
Targets(IC50)	Others
In vitro	IR-797 molecules, self-assembled into nanoparticles and modified with an amphiphilic polymer (C18PMH-PEG5000) on the surface [1], can be used to create PEG-IR-797 nanoparticles that function as a chemotherapeutic drug inducing apoptosis in cancer cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9782 mL	9.8908 mL	19.7816 mL
5 mM	0.3956 mL	1.9782 mL	3.9563 mL
10 mM	0.1978 mL	0.9891 mL	1.9782 mL
50 mM	0.0396 mL	0.1978 mL	0.3956 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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