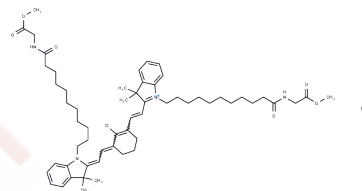


IR-58

Chemical Properties

CAS No. : 2374274-85-6
 Formula: C₅₈H₈₂BrClN₄O₆
 Molecular Weight: 1046.65
 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-58 is a mitochondria-targeting near-infrared (NIR) fluorophore that serves as an autophagy enhancer. It eliminates tumor cells and triggers apoptosis by promoting excessive autophagy through the reactive oxygen species (ROS)-Akt-mTOR pathway [1].
Targets(IC50)	Apoptosis,Others,Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9554 mL	4.7771 mL	9.5543 mL
5 mM	0.1911 mL	0.9554 mL	1.9109 mL
10 mM	0.0955 mL	0.4777 mL	0.9554 mL
50 mM	0.0191 mL	0.0955 mL	0.1911 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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