

ICy-Q

Chemical Properties

CAS No. :	2863682-83-9
Formula:	C48H50I2N2O5
Molecular Weight:	988.73
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	ICy-Q, a near-infrared (NIR) reagent activated by quinone oxidoreductase 1 (NQO-1), interacts with NQO-1 to yield the reduced product ICy-OH. This derivative selectively triggers pyroptosis and resultant death in pancreatic cancer cells. Moreover, ICy-Q serves as a valuable instrument for the expedited and precise diagnosis of intraoperative pathological sections [1].
Targets(IC50)	Pyroptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0114 mL	5.057 mL	10.114 mL
5 mM	0.2023 mL	1.0114 mL	2.0228 mL
10 mM	0.1011 mL	0.5057 mL	1.0114 mL
50 mM	0.0202 mL	0.1011 mL	0.2023 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.

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