

IR 813 tosylate

Chemical Properties

CAS No. : 134127-48-3

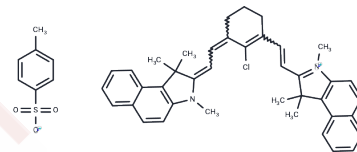
Formula: C₄₇H₄₇ClN₂O₃S

Molecular Weight: 755.41

Keep away from direct sunlight

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 813 tosylate is a near-infrared (NIR) fluorescent dye with excitation and emission wavelengths of 815 nm and 840 nm, respectively, used for visualizing regional lymph nodes in mice [1].
Targets(IC50)	Others
In vitro	IR 813 tosylate, at a concentration of 17.3 μM applied for 2 hours, induces 31.4% hemolysis in red blood cells [1]. The same compound, when used at a 5.9 μM concentration over a period of 24 hours, causes 50% cell death in MRC-5 cells [1].
In vivo	IR 813 tosylate achieves peak fluorescence intensity at four hours post-injection and exhibits quick extravasation, facilitating the visualization of regional lymph nodes in mice [1]. Recommended protocol guidelines suggest personalizing the procedure to meet individual experimental requirements [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3238 mL	6.6189 mL	13.2378 mL
5 mM	0.2648 mL	1.3238 mL	2.6476 mL
10 mM	0.1324 mL	0.6619 mL	1.3238 mL
50 mM	0.0265 mL	0.1324 mL	0.2648 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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