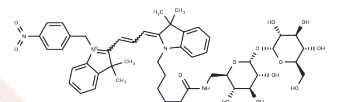


Cy3-NO2-Tre

Chemical Properties

CAS No. :	3012597-48-4
Formula:	C48H61BrN4O13
Molecular Weight:	981.92
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Cy3-NO2-Tre is a nitroreductase-responsive cyanine fluorescent probe designed for the specific labeling of Mycobacterium tuberculosis (Mtb). Upon activation by the conserved specific nitroreductase Rv3368c in Mycobacteriaceae, Cy3-NO2-tre emits fluorescence. It is effective in imaging mycobacteria within infected host cells, tracking the infection process, and visualizing phagocytosed Mycobacterium tuberculosis within macrophages (Ex/Em= 540-550/575-625 nm).
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0184 mL	5.0921 mL	10.1841 mL
5 mM	0.2037 mL	1.0184 mL	2.0368 mL
10 mM	0.1018 mL	0.5092 mL	1.0184 mL
50 mM	0.0204 mL	0.1018 mL	0.2037 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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