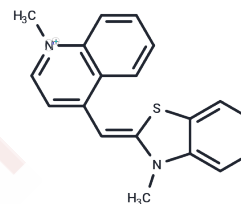


(Z)-Thiazole Orange iodide

Chemical Properties

CAS No. :	2394903-71-8
Formula:	C19H17IN2S
Molecular Weight:	432.321
Storage:	Keep away from direct sunlight 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	(Z)-Thiazole Orange iodide is an asymmetric cyanine dye with fluorescence highly dependent on its local environment. In solution, it is generally non-fluorescent; however, its fluorescence increases by a factor of one thousand when bound to double-stranded DNA and RNA (dsDNA or dsRNA). The compound's absorption maxima while complexed with DNA is 509 nm, and its emission maxima is 532 nm. (Z)-Thiazole Orange iodide solutions are widely utilized for determining the percentage of reticulocytes in human peripheral blood using microscopy and flow cytometry.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3131 mL	11.5655 mL	23.131 mL
5 mM	0.4626 mL	2.3131 mL	4.6262 mL
10 mM	0.2313 mL	1.1566 mL	2.3131 mL
50 mM	0.0463 mL	0.2313 mL	0.4626 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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