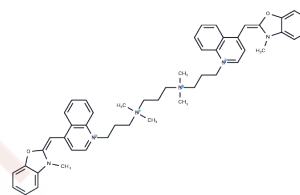


Thiazole orange dimer YOYO 1

Chemical Properties

CAS No. :	143413-85-8
Formula:	C ₄₉ H ₅₈ I ₄ N ₆ O ₂
Molecular Weight:	1270.64
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	Thiazole orange dimer YOYO-1 is a green fluorescent dye used for DNA staining. It is a tetracationic homodimer of oxazole yellow (YO) and is typically provided as a tetraiodide salt. In aqueous buffer, the free YOYO-1 dye (λ_{max} 458 nm; λ_{max} 564 nm) exhibits low fluorescence quantum yield, but upon binding to double-stranded DNA through diintercalation, its fluorescence intensity increases by 3200 times (λ_{max} 489 nm; λ_{max} 509 nm).
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.787 mL	3.935 mL	7.870 mL
5 mM	0.1574 mL	0.787 mL	1.574 mL
10 mM	0.0787 mL	0.3935 mL	0.787 mL
50 mM	0.0157 mL	0.0787 mL	0.1574 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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