

DA ZP1

Chemical Properties

CAS No. : 1816254-69-9

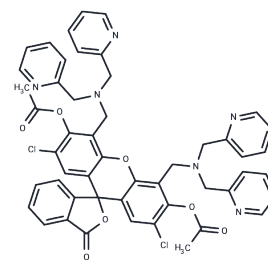
Formula: C₅₀H₄₀Cl₂N₆O₇

Molecular Weight: 907.81

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	DA ZP1 (diacetylated Zinpyr1), a highly sensitive fluorogenic Zn(II) sensor ($K_{dZn^{2+}} = 0.6$ nM), efficiently images and isolates pancreatic β -cells and β -like cells in vitro and purifies live stem cell-derived β -like cells. It also enables imaging of transplanted islet grafts and endogenous mouse islets in vivo. DA ZP1 is initially non-fluorescent; however, its interaction with Zn(II) ions triggers hydrolytic cleavage of the acetyl groups, creating a robust fluorescent signal with excitation and emission maxima (λ) at 490 nm and 522 nm, respectively.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1016 mL	5.5078 mL	11.0155 mL
5 mM	0.2203 mL	1.1016 mL	2.2031 mL
10 mM	0.1102 mL	0.5508 mL	1.1016 mL
50 mM	0.022 mL	0.1102 mL	0.2203 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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