

ZIGIR

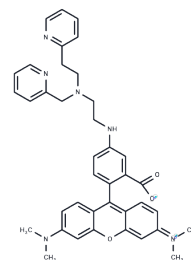
Chemical Properties

CAS No. :

Formula: C₃₉H₄₀N₆O₃

Molecular Weight: 640.77

Storage: Store at low temperature
 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	ZIGIR enables insulin content-based separation of heterogeneous beta cells and islet sorting into pure alpha and beta cells, revealing unexpected zinc(II) activity in somatostatin granules of delta cells in human islets.
Targets(IC50)	IGF-1R

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5606 mL	7.8031 mL	15.6062 mL
5 mM	0.3121 mL	1.5606 mL	3.1212 mL
10 mM	0.1561 mL	0.7803 mL	1.5606 mL
50 mM	0.0312 mL	0.1561 mL	0.3121 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.

Reference

Ghazvini Zadeh EH, et al. ZIGIR, a Granule-Specific Zn²⁺ Indicator, Reveals Human Islet α Cell Heterogeneity. Cell Rep. 2020 Jul 14;32(2):107904.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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