

GLUT1-IN-1

Chemical Properties

CAS No. :

Formula: C₂₅H₃₁BF₂I₂N₆O₇

Molecular Weight: 830.17

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	GLUT1-IN-1, a glucose transporter 1 (GLUT1) inhibitor, possesses specific inactivation capability for GLUT1. This compound demonstrates concentration-dependent cytotoxicity towards HeLa, A549, and HepG2 cells, with IC ₅₀ values of 5.49 μM, 11.14 μM, and 8.73 μM, respectively. It is utilized in the research of photodynamic therapy (PDT) and several cancers [1].
Targets(IC ₅₀)	Others,transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2046 mL	6.0229 mL	12.0457 mL
5 mM	0.2409 mL	1.2046 mL	2.4091 mL
10 mM	0.1205 mL	0.6023 mL	1.2046 mL
50 mM	0.0241 mL	0.1205 mL	0.2409 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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