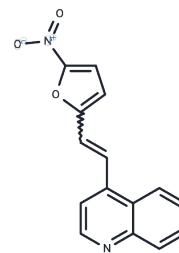


GLUT-1-IN-4

Chemical Properties

CAS No. :	735-16-0
Formula:	C ₁₅ H ₁₀ N ₂ O ₃
Molecular Weight:	266.251
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	GLUT-1-IN-4 (Compound 13) is an inhibitor of the GLUT-1 glucose transporter that depends on the p53 protein. It suppresses the proliferation of various cancer cells at submicromolar IC ₅₀ levels. Additionally, GLUT-1-IN-4 can halt the cell cycle, induce oxidative stress, and promote apoptosis (cell death).
Targets(IC ₅₀)	Apoptosis, Reactive Oxygen Species, transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7559 mL	18.7793 mL	37.5587 mL
5 mM	0.7512 mL	3.7559 mL	7.5117 mL
10 mM	0.3756 mL	1.8779 mL	3.7559 mL
50 mM	0.0751 mL	0.3756 mL	0.7512 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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