

FUT8-IN-1

Chemical Properties

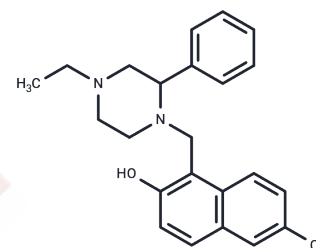
CAS No. :

Formula: C₂₃H₂₅ClN₂O

Molecular Weight: 380.91

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	FUT8-IN-1 (Compound 37) is an inhibitor of α -1,6-fucosyltransferase (FUT8), with a dissociation constant (KD) of 49 nM and an IC ₅₀ around 50 μ M. In the presence of FUT8, FUT8-IN-1 forms a highly active naphthoquinone imine intermediate, thereby inhibiting FUT8's enzymatic activity.
Targets(IC ₅₀)	Transferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6253 mL	13.1265 mL	26.2529 mL
5 mM	0.5251 mL	2.6253 mL	5.2506 mL
10 mM	0.2625 mL	1.3126 mL	2.6253 mL
50 mM	0.0525 mL	0.2625 mL	0.5251 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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