

FGFR4-IN-14

Chemical Properties

CAS No. :

Formula: C₂₇H₂₅Cl₂N₅O₂

Molecular Weight: 522.43

Appearance:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	FGFR4-IN-14 (Compound 27i) is a selective FGFR4 inhibitor with an IC ₅₀ of 2.4 nM, effectively inhibiting cell proliferation in V550L and N535K mutant strains. It shows IC ₅₀ values of 21 nM against Huh7 cells, 2.5 nM against BaF3/ETV6-FGFR4-V550L cells, and 171 nM against BaF3/ETV6-FGFR4-N535K cells. FGFR4-IN-14 demonstrates significant antitumor efficacy in the Huh7 xenograft model and is utilized in hepatocellular carcinoma (HCC) research [1].
Targets(IC ₅₀)	FGFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9141 mL	9.5707 mL	19.1413 mL
5 mM	0.3828 mL	1.9141 mL	3.8283 mL
10 mM	0.1914 mL	0.9571 mL	1.9141 mL
50 mM	0.0383 mL	0.1914 mL	0.3828 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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