

MTX-241F

Chemical Properties

CAS No. :

Formula: C₂₀H₁₄ClFN₆

Molecular Weight: 392.82

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	MTX-241F, a selective small molecule inhibitor, targets members of the EGFR and PI3 kinase families. It penetrates the blood-brain barrier, providing long-term tumor growth control and exhibits radiosensitizing activity in patient-derived DIPG neurospheres, potentially beneficial for studying diffuse intrinsic pontine glioma (DIPG) [1].
Targets(IC50)	EGFR,PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5457 mL	12.7285 mL	25.457 mL
5 mM	0.5091 mL	2.5457 mL	5.0914 mL
10 mM	0.2546 mL	1.2728 mL	2.5457 mL
50 mM	0.0509 mL	0.2546 mL	0.5091 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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