

BW710

## Chemical Properties

CAS No. :

Formula: C28H29FN6O2S

Molecular Weight: 532.63

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	BW710 is an orally active inhibitor specifically targeting fibroblast growth factor receptor 2 (FGFR2). It effectively inhibits the proliferation of BaF3-FGFR2 cells with an IC50 value of 2.8 nM. BW710 completely suppresses FGFR2 enzymatic activity and demonstrates selectivity among 75 tyrosine kinases, including FGFR1, FGFR3, and FGFR4, at a 1 $\mu$ M concentration. Additionally, BW710 impedes FGFR2 signaling and selectively inhibits the proliferation of cancer cells driven by FGFR2. It exhibits promising pharmacokinetic properties, with an oral bioavailability of 29% in mice.
Targets(IC50)	FGFR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8775 mL	9.3874 mL	18.7748 mL
5 mM	0.3775 mL	1.8775 mL	3.755 mL
10 mM	0.1877 mL	0.9387 mL	1.8775 mL
50 mM	0.0375 mL	0.1877 mL	0.3755 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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