

## ERK1/2 inhibitor 13

## Chemical Properties

CAS No. :

Formula: C36H29BrF6N4O

Molecular Weight: 727.54

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	ERK1/2 inhibitor 13 (Compound 21y) is an orally bioavailable ERK inhibitor that targets ERK1 and ERK2, with IC50 values of 91.71 nM and 97.87 nM, respectively. It effectively suppresses the proliferation of cancer cell lines MCF-7, 4T1, MDA-MB-468, and HCC1970 with IC50 values of 0.67 μM, 2.76 μM, 2.15 μM, and 1.68 μM, respectively. Additionally, it inhibits cancer cell migration, induces apoptosis and autophagy in MCF-7 cells, and demonstrates anti-tumor and anti-metastatic effects in a 4T1 xenograft mouse model.
Targets(IC50)	Apoptosis,ERK,Autophagy

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3745 mL	6.8725 mL	13.7449 mL
5 mM	0.2749 mL	1.3745 mL	2.749 mL
10 mM	0.1374 mL	0.6872 mL	1.3745 mL
50 mM	0.0275 mL	0.1374 mL	0.2749 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481