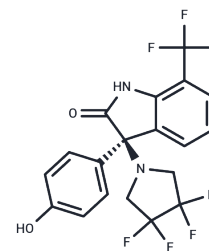


ErSO-TFPy

Chemical Properties

CAS No. :	3035547-78-2
Formula:	C19H13F7N2O2
Molecular Weight:	434.307
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	ErSO-TFPy activates the sodium ion channel TRPM4, resulting in an imbalance of intracellular calcium and sodium ions. It exhibits low nanomolar-level cytotoxicity (IC50 = 5-25 nM) by inducing necrosis in ERα+ breast cancer cell lines. Additionally, ErSO-TFPy shows antitumor activity in mouse models.
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3025 mL	11.5125 mL	23.025 mL
5 mM	0.4605 mL	2.3025 mL	4.605 mL
10 mM	0.2303 mL	1.1513 mL	2.3025 mL
50 mM	0.0461 mL	0.2303 mL	0.4605 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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