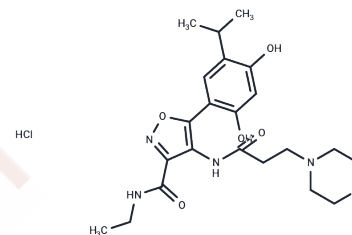


SST0116CL1

## Chemical Properties

CAS No. : 1799802-29-1  
 Formula: C<sub>22</sub>H<sub>31</sub>ClN<sub>4</sub>O<sub>6</sub>  
 Molecular Weight: 482.96  
 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	SST0116CL1 is an HSP90 inhibitor (IC <sub>50</sub> : 0.21 μM) that targets the ATP-binding pocket of Hsp90, disrupting its chaperone function and leading to the degradation of client proteins (EGFR, CDK4, and AKT). It induces the degradation of Her2 in BT-474 cells (IC <sub>50</sub> : 0.2 μM) and exhibits antiproliferative activity, inhibiting tumor growth.
Targets(IC <sub>50</sub> )	EGFR,HSP,Akt,CDK
In vitro	SST0116CL1 inhibits the proliferation of various tumor cells, with IC <sub>50</sub> values as follows: 0.81 μM (A431), 0.11 μM (NCI-H460), 0.81 μM (A2780), 0.40 μM (MV4;11), 0.23 μM (GTL-16), 0.62 μM (BT474), and 0.34 μM (HT-1080).

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0706 mL	10.3528 mL	20.7056 mL
5 mM	0.4141 mL	2.0706 mL	4.1411 mL
10 mM	0.2071 mL	1.0353 mL	2.0706 mL
50 mM	0.0414 mL	0.2071 mL	0.4141 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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