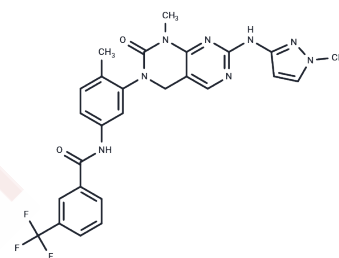


SIJ1777

## Chemical Properties

CAS No. : 839707-55-0  
 Formula: C<sub>26</sub>H<sub>23</sub>F<sub>3</sub>N<sub>8</sub>O<sub>2</sub>  
 Molecular Weight: 536.51  
 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	SIJ1777, a derivative of GNF-7, exhibits potent anticancer effects against melanoma cells harboring BRAF1/II/III mutations. The compound significantly inhibits the activation of MEK, ERK, and AKT. Furthermore, SIJ1777 notably induces apoptosis (cell death) and effectively prevents migration, invasion, and anchorage-independent growth of melanoma cells with BRAF1/II/III mutations.
Targets(IC50)	Apoptosis,ERK,MEK,Akt
In vitro	SIJ1777 exhibits enhanced antiproliferative activity against melanoma cells (SK-MEL-2, SK-MEL-28, A375, WM3670, WM3629) compared to GNF-7, with a 2 to 14-fold increase. This enhancement is observed irrespective of the BRAF mutation status in the melanoma cells, where SIJ1777 completely inhibits the phosphorylation levels of MEK, -ERK, and -AKT at a concentration of 1 μM. Additionally, SIJ1777 increases the levels of cleaved PARP in a concentration-dependent manner in melanoma cells (SK-MEL-2, SK-MEL-28, C8161, WM3629).

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8639 mL	9.3195 mL	18.639 mL
5 mM	0.3728 mL	1.8639 mL	3.7278 mL
10 mM	0.1864 mL	0.9319 mL	1.8639 mL
50 mM	0.0373 mL	0.1864 mL	0.3728 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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