

(Z)-SU14813

Chemical Properties

CAS No. : 452105-23-6

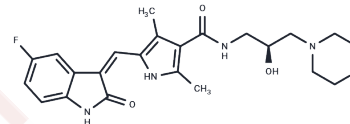
Formula: C₂₃H₂₇N₂O₄

Molecular Weight: 442.48

Keep away from moisture

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	(Z)-SU14813 is a novel tyrosine kinase inhibitor with anticardio-genic and antitumor activity that inhibits VEGFR-2, PDGFR-β, and FLT3 phosphorylation in xenograft tumors in a dose- and time-dependent manner.
Targets(IC50)	PDGFR,Tyrosinase,VEGFR
In vivo	METHODS: (Z)-SU14813 was evaluated in mouse tumor efficacy studies in C6 rat glioma (20, 40 mg/kg) and MV4 11 human AML (10, 20, 40 mg/kg) mouse models. RESULTS: (Z)-SU14813 treatment of C6 rat glioma model mice was sufficient to produce complete anti-tumor efficacy; (Z)-SU14813 treatment of MV4 11 human AML model increased mouse survival time from 23 days to 42 days. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.260 mL	11.2999 mL	22.5999 mL
5 mM	0.452 mL	2.260 mL	4.520 mL
10 mM	0.226 mL	1.130 mL	2.260 mL
50 mM	0.0452 mL	0.226 mL	0.452 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.

Reference

Patyna S, et al. SU14813: a novel multiple receptor tyrosine kinase inhibitor with potent antiangiogenic and antitumor activity. Mol Cancer Ther. 2006 Jul;5(7):1774-82.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481