

ZK-261991

Chemical Properties

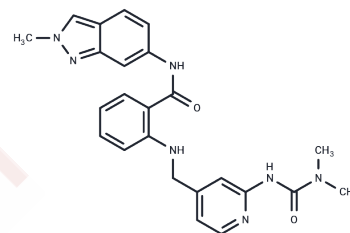
CAS No. : 886563-25-3

Formula: C₂₄H₂₅N₇O₂

Molecular Weight: 443.5

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	ZK-261991 is an orally active inhibitor of VEGFR tyrosine kinase (IC ₅₀ of 5 nM, VEGFR2).
Targets(IC ₅₀)	HIF, VEGFR
In vitro	ZK-261991 inhibits cellular receptor autophosphorylation in KDR-PAECs (IC ₅₀ of 2 nM) and VEGFR-3 autophosphorylation in a concentration-dependent manner (IC ₅₀ of 20 nM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2548 mL	11.274 mL	22.5479 mL
5 mM	0.451 mL	2.2548 mL	4.5096 mL
10 mM	0.2255 mL	1.1274 mL	2.2548 mL
50 mM	0.0451 mL	0.2255 mL	0.451 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

Deniz Hos, et al. Inflammatory Corneal (Lymph)angiogenesis Is Blocked by VEGFR-Tyrosine Kinase Inhibitor ZK 261991, Resulting in Improved Graft Survival after Corneal Transplantation. Investigative Ophthalmology & Visual Science May 2008, Vol.49, 1836-1842.

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