

Multi-kinase-IN-5

Chemical Properties

CAS No. :

Formula: C19H15N5O2S

Molecular Weight: 377.42

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	Multi-kinase-IN-5 (compound 15c) is a multi-kinase inhibitory agent that demonstrates significant inhibition of a range of protein kinases, including RET (69%), KIT (31%), cMet (62%), VEGFR1 (40%), VEGFR2 (73%), FGFR1 (74%), PDGFR (59%), and BRAF (74%). Its IC50 values are 1.287 μ M for FGFR1, 0.117 μ M for VEGFR, and 1.185 μ M for RET kinases, indicating its potency [1].
Targets(IC50)	Raf,FGFR,Others,c-RET,c-Kit,c-Met/HGFR,PDGFR,VEGFR
In vitro	Multi-kinase-IN-5 (compound 15c) exhibited potent antiproliferative activity against most cell lines in the National Cancer Institute's (NCI) 60 cell line panel, with an average growth inhibition rate of 61.83%. It achieved IC50 values of 4.39, 1.06, and 0.34 nM against the MCT-7, DU 145, and HCT-116 cell lines, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6496 mL	13.2478 mL	26.4957 mL
5 mM	0.5299 mL	2.6496 mL	5.2991 mL
10 mM	0.265 mL	1.3248 mL	2.6496 mL
50 mM	0.053 mL	0.265 mL	0.5299 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

Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481