

Multi-kinase-IN-6

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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-6 (compound 10e) is a multikinase inhibitor that impedes the activity of TrkA, ALK2, c-KIT, EGFR, PIM1, CK2 α , CHK1, and CDK2. It exhibits antiproliferative effects on MCF7, HCT116, and EKVX cancer cell lines with IC50s of 3.36 μ M, 1.40 μ M, and 3.49 μ M, respectively. Additionally, Multi-kinase-IN-6 induces cell cycle arrest at the G1/S and G1 phases in MCF7 and HCT116 cells, respectively, and effectively triggers apoptosis [1].
Targets(IC50)	Apoptosis,EGFR,Casein Kinase,CDK,ALK,Chk,c-Kit,Pim,Trk receptor
In vitro	MK2-IN-5 at concentrations of 5-10 μ M for 2 hours inhibits the expression of connective tissue growth factor and type I collagen induced by TGF-b1 in human scar keloid fibroblasts [3].
In vivo	MK2-IN-5 (2 mg/kg, intraperitoneal injection, single dose) reduces the phosphorylation of HSP25 in ventilator-induced lung injury models [2].
Animal Research	s

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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