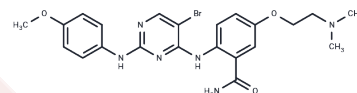


JNK-1-IN-4

Chemical Properties

CAS No. :	3047795-60-5
Formula:	C22H25BrN6O3
Molecular Weight:	501.38
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	JNK-1-IN-4 (Compound E1) is an inhibitor of JNK, targeting JNK-1, JNK-2, and JNK-3 with IC50 values of 2.7, 19.0, and 9.0 nM, respectively. This compound inhibits the phosphorylation of c-Jun and reduces the expression of TGF-β1-induced EMT markers (such as fibronectin and α-SMA). JNK-1-IN-4 exhibits favorable pharmacokinetic properties with a bioavailability of 69%. Additionally, it demonstrates antifibrotic effects in a Bleomycin-induced mouse model of idiopathic pulmonary fibrosis.
Targets(IC50)	JNK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9945 mL	9.9725 mL	19.945 mL
5 mM	0.3989 mL	1.9945 mL	3.989 mL
10 mM	0.1994 mL	0.9972 mL	1.9945 mL
50 mM	0.0399 mL	0.1994 mL	0.3989 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