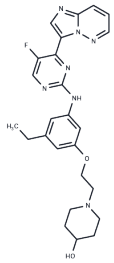
Data Sheet (Cat.No.T70741)

TargetMol

AZ-TAK1

Chemical Properties



CAS No. : 1413440-36-4

Formula: C25H28FN7O2

Molecular Weight: 477.53

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	AZ-Tak1 is a potent and a relatively selective inhibitor of TAK1 kinase activity, with an IC50 of 0.009 mM. AZ-Tak1 treatment decreased the level of p38 and ERK in mantle cell lymphoma cells, and induced apoptosis in a dose and time dependent manner, with an IC50 of 0.1-0.5 mM. Using the annexin-V and PI staining and FACS analysis, After 48 hours of incubation, AZ-Tak1 (0.1 mM) induced apoptosis in 28%, 34% and 86% of Mino, SP53, and Jeko cells, respectively, which was increased to 32%, 42%, and 86% when 0.5 mM concentration was used.
Targets(IC50)	Others,MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0941 mL	10.4705 mL	20.9411 mL
5 mM	0.4188 mL	2.0941 mL	4.1882 mL
10 mM	0.2094 mL	1.0471 mL	2.0941 mL
50 mM	0.0419 mL	0.2094 mL	0.4188 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.

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