

KAI-11101

## Chemical Properties

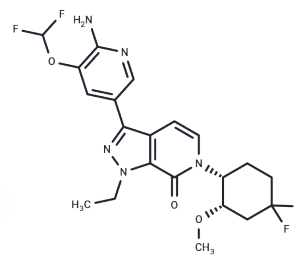
CAS No. :

Formula: C<sub>21</sub>H<sub>23</sub>F<sub>4</sub>N<sub>5</sub>O<sub>3</sub>

Molecular Weight: 469.433

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	KAI-11101 is an inhibitor of dual leucine zipper kinase (DLK, MAP3K12) with a $K_i$ of 0.7 nM. It effectively suppresses paclitaxel-induced cjun phosphorylation ( $IC_{50}=95$ nM), thereby inhibiting the activation of the MAPK pathway. KAI-11101 exhibits blood-brain barrier permeability, allowing for further exploration of its neuroprotective properties.
Targets( $IC_{50}$ )	MAPK,p38 MAPK,MAP3K

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1302 mL	10.6512 mL	21.3024 mL
5 mM	0.426 mL	2.1302 mL	4.2605 mL
10 mM	0.213 mL	1.0651 mL	2.1302 mL
50 mM	0.0426 mL	0.213 mL	0.426 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

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