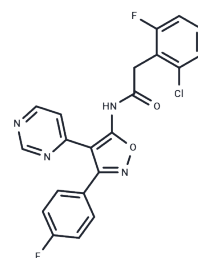


AKP-001

Chemical Properties

CAS No. : 897644-83-6
 Formula: C₂₁H₁₃ClF₂N₄O₂
 Molecular Weight: 426.8
 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	AKP-001 is a selective inhibitor of MAPK of the p38 α isoform and is used in the study of immune and digestive disorders.
Targets(IC50)	p38 MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.343 mL	11.7151 mL	23.4302 mL
5 mM	0.4686 mL	2.343 mL	4.686 mL
10 mM	0.2343 mL	1.1715 mL	2.343 mL
50 mM	0.0469 mL	0.2343 mL	0.4686 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.

Reference

Hasumi K, et al. Design and synthesis of 5-[(2-chloro-6-fluorophenyl)acetylamino]-3-(4-fluorophenyl)-4-(4-pyrimidinyl)isoxazole (AKP-001), a novel inhibitor of p38 MAP kinase with reduced side effects based on the antedrug concept. *Bioorg Med Chem.* 2014 Aug 1;22(15):4162-76.

Shirota K, et al. Analysis of the disposition of a novel p38 MAPK inhibitor, AKP-001, and its metabolites in rats with a simple physiologically based pharmacokinetic model. *Drug Metab Dispos.* 2015 Feb;43(2):217-26.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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