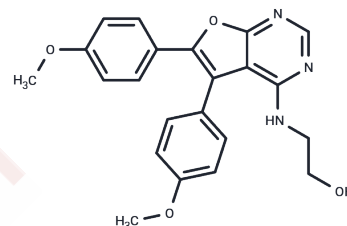


AK-IN-1

Chemical Properties

CAS No. : 378775-98-5
 Formula: C₂₂H₂₁N₃O₄
 Molecular Weight: 391.42
 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	AK-IN-1, a competitive inhibitor for adenosine (Ado) but not for ATP, demonstrates significant inhibition of AK activity, achieving 86%, 87%, and 89% at concentrations of 2, 4, and 10 μ M, respectively. This compound shows promise for research across various disease areas, such as ischemia, inflammation, and seizures.
Targets(IC50)	Others, Adenosine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5548 mL	12.774 mL	25.548 mL
5 mM	0.511 mL	2.5548 mL	5.1096 mL
10 mM	0.2555 mL	1.2774 mL	2.5548 mL
50 mM	0.0511 mL	0.2555 mL	0.511 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

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