Data Sheet (Cat.No.T205530)

TargetMol

Dyrk1A-IN-12

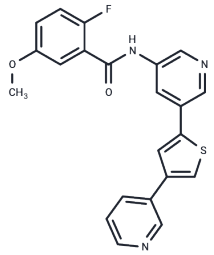
Chemical Properties

CAS No. : 2243701-11-1

Formula: C22H16FN3O2S

Molecular Weight: 405.445

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	Dyrk1A-IN-12 (compound S43) is an inhibitor of dual specificity tyrosine phosphorylation regulated kinase 1A (Dyrk1A). It has an IC50 of 95 nM for inhibiting Dyrk1A. The compound demonstrates antiviral activity against EV-A71 (Enterovirus A71) with an EC50 of 4.4 μM, a CC50 of 12.8 μM, and a selectivity index (SI) of 2.9. Additionally, Dyrk1A-IN-12 exhibits potent inhibitory effects on the herpes simplex virus (HSV).
Targets(IC50)	Enterovirus,DYRK,Virus Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4664 mL	12.332 mL	24.664 mL
5 mM	0.4933 mL	2.4664 mL	4.9328 mL
10 mM	0.2466 mL	1.2332 mL	2.4664 mL
50 mM	0.0493 mL	0.2466 mL	0.4933 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