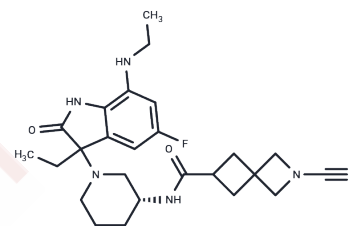


PDHK1-IN-2

Chemical Properties

CAS No. :	2870691-38-4
Formula:	C ₂₅ H ₃₃ FN ₆ O ₂
Molecular Weight:	468.567
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	PDHK1-IN-2 (Compound 24) is an ATP-competitive dual inhibitor of pyruvate dehydrogenase kinase 1/2 (PDHK1/2), with an IC ₅₀ of 0.007 μM for PDHK1 and 0.015 μM for PDHK2. PDHK1-IN-2 has the potential to regulate immune cell metabolism and correct mitochondrial dysfunction, making it a promising candidate for research in autoimmune diseases, inflammatory conditions, and cancer.
Targets(IC50)	Dehydrogenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1342 mL	10.6708 mL	21.3415 mL
5 mM	0.4268 mL	2.1342 mL	4.2683 mL
10 mM	0.2134 mL	1.0671 mL	2.1342 mL
50 mM	0.0427 mL	0.2134 mL	0.4268 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