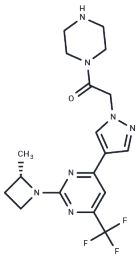
Data Sheet (Cat.No.T86781)

TargetMol

LY3522348

Chemical Properties



CAS No. : 2568608-48-8

Formula: C18H22F3N7O

Molecular Weight: 409.41

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	KHK-IN-3 (Example 1), a ketohexokinase (KHK) inhibitor, plays a crucial role in the study of various diseases including kidney disease, nonalcoholic steatohepatitis (NASH), diabetes, and heart failure. KHK, a pivotal rate-limiting enzyme and fructokinase, facilitates the metabolism of fructose by catalyzing the transformation of fructose into fructose-1-phosphate (FIP) utilizing ATP. This process lacks feedback inhibition, leading to the buildup of metabolites involved in lipogenesis, gluconeogenesis, and oxidative phosphorylation [1].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4425 mL	12.2127 mL	24.4254 mL
5 mM	0.4885 mL	2.4425 mL	4.8851 mL
10 mM	0.2443 mL	1.2213 mL	2.4425 mL
50 mM	0.0489 mL	0.2443 mL	0.4885 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.

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