

KF-52

Chemical Properties

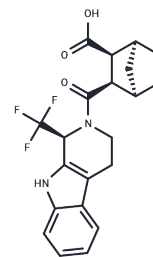
CAS No. :

Formula: C₂₁H₁₉F₃N₂O₃

Molecular Weight: 404.382

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	KF-52 is an inhibitor of phosphofructokinase-1 (PFK1), possessing an IC ₅₀ value of 2.1 μM. It significantly enhances the ratio of oxygen consumption rate (OCR) to extracellular acidification rate (ECAR).
Targets(IC ₅₀)	Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4729 mL	12.3646 mL	24.7292 mL
5 mM	0.4946 mL	2.4729 mL	4.9458 mL
10 mM	0.2473 mL	1.2365 mL	2.4729 mL
50 mM	0.0495 mL	0.2473 mL	0.4946 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

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