

NCI-006

## Chemical Properties

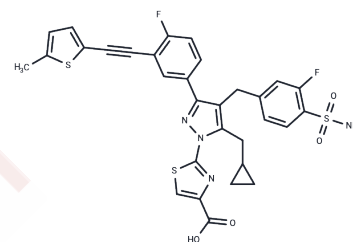
CAS No. : 1964516-64-0

Formula: C<sub>31</sub>H<sub>24</sub>F<sub>2</sub>N<sub>4</sub>O<sub>4</sub>S<sub>3</sub>

Molecular Weight: 650.74

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	NCI-006 is a potent new inhibitor of lactate dehydrogenase (LDH) that disrupts tumor growth in mice. LDH inhibition slows tumor growth but rapidly redirects pyruvate to support mitochondrial metabolism. Inhibiting both mitochondrial complex 1 and LDH suppresses metabolic plasticity of glycolytic tumors in vivo, significantly prolonging tumor growth inhibition.
Targets(IC50)	Apoptosis,Others,Dehydrogenase,ROS

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5367 mL	7.6836 mL	15.3671 mL
5 mM	0.3073 mL	1.5367 mL	3.0734 mL
10 mM	0.1537 mL	0.7684 mL	1.5367 mL
50 mM	0.0307 mL	0.1537 mL	0.3073 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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