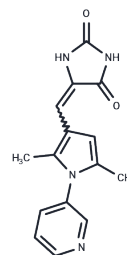


LDHA-IN-8

Chemical Properties

CAS No. :	347380-13-6
Formula:	C ₁₅ H ₁₄ N ₄ O ₂
Molecular Weight:	282.3
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	LDHA-IN-8, a small molecule inhibitor of lactate dehydrogenase A (LDHA), inhibits the proliferation of pancreatic and lung cancer cells by inhibiting the activity of LDHA-catalyzed pyruvate in a dose-dependent manner (EC 50=14.54μM), decreasing the intracellular lactate content and increasing the intracellular reactive oxygen species (ROS) levels.
Targets(IC50)	Dehydrogenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5423 mL	17.7117 mL	35.4233 mL
5 mM	0.7085 mL	3.5423 mL	7.0847 mL
10 mM	0.3542 mL	1.7712 mL	3.5423 mL
50 mM	0.0708 mL	0.3542 mL	0.7085 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.

Reference

Shu Y, et al. Development of human lactate dehydrogenase a inhibitors: high-throughput screening, molecular dynamics simulation and enzyme activity assay. J Comput Aided Mol Des. 2024 Aug 10;38(1):28.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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