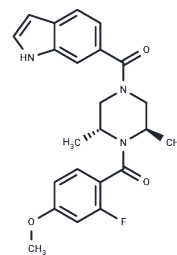


H3B-616

Chemical Properties

CAS No. : 2468199-06-4
 Formula: C₂₃H₂₄FN₃O₃
 Molecular Weight: 409.45
 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	H3B-616, as a powerful allosteric inhibitor of Carbamoyl phosphate synthetase 1 (CPS1) with an IC ₅₀ of 66 nM, targets CPS1, identified as a potential synthetic lethal target in LKB1-deficient non-small cell lung cancer. This overexpression of CPS1 facilitates pyrimidine synthesis in these cancer cells.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4423 mL	12.2115 mL	24.423 mL
5 mM	0.4885 mL	2.4423 mL	4.8846 mL
10 mM	0.2442 mL	1.2212 mL	2.4423 mL
50 mM	0.0488 mL	0.2442 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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