

CD73-IN-19

## Chemical Properties

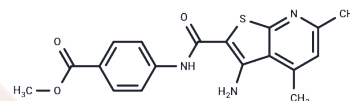
CAS No. : 333329-22-9

Formula: C<sub>18</sub>H<sub>17</sub>N<sub>3</sub>O<sub>3</sub>S

Molecular Weight: 355.411

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	CD73-IN-19 (Compound 4ab) is an inhibitor of CD73, demonstrating a 44% inhibition rate of CD73 enzyme activity at 100 $\mu$ M. It entirely counters T cell proliferation blockade triggered by TCR activation (induced by CD73 activity) at 10 $\mu$ M and 100 $\mu$ M and inhibits hA2A receptor activity in HEK-293 cells with a $K_i$ of 3.31 $\mu$ M. CD73-IN-19 holds potential for research in the field of immune diseases.
Targets(IC50)	CD73

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8137 mL	14.0683 mL	28.1365 mL
5 mM	0.5627 mL	2.8137 mL	5.6273 mL
10 mM	0.2814 mL	1.4068 mL	2.8137 mL
50 mM	0.0563 mL	0.2814 mL	0.5627 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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