

ABC34

Chemical Properties

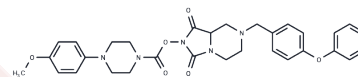
CAS No. : 1831135-56-8

Formula: C31H33N5O6

Molecular Weight: 571.634

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	ABC34 is an inactive control probe for JJH260, the inhibitor of androgen-induced gene 1 (AIG1), an enzyme that hydrolyzes fatty acid esters of hydroxy fatty acids (FAHFAs). ABC34 demonstrates an IC50 value greater than 25 μM for the inhibition of 9-PAHSA but is more potent in blocking the serine hydrolase ABHD6 and the palmitoyl-protein hydrolase PPT1, which are both off-targets of JJH260.
Targets(IC50)	Others,MAGL

Solubility Information

Solubility	DMSO: 10 mg/mL (17.49 mM),Sonication is recommended. DMF: 20 mg/mL (34.99 mM),Sonication is recommended. DMF:PBS (pH 7.2)(1:3): 0.25 mg/mL (0.44 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (1.75 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7494 mL	8.7469 mL	17.4938 mL
5 mM	0.3499 mL	1.7494 mL	3.4988 mL
10 mM	0.1749 mL	0.8747 mL	1.7494 mL
50 mM	0.035 mL	0.1749 mL	0.3499 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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