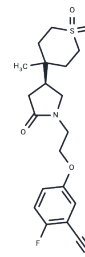


Lp-PLA2-IN-2

Chemical Properties

CAS No. :	2071636-15-0
Formula:	C ₁₉ H ₂₃ FN ₂ O ₄ S
Molecular Weight:	394.46
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	Lp-PLA2-IN-2 is a selective and potent lipoprotein-associated phospholipase A2 (Lp-PLA2) inhibitor, with an IC ₅₀ of 120 nM for recombinant human Lp-PLA2.
Targets(IC ₅₀)	Phospholipase
In vitro	Lp-PLA2-IN-2 inhibits human Lp-PLA2, with an IC ₅₀ of 62 nM, in the PED6 assay.
In vivo	Lp-PLA2-IN-2 (1 mg/kg; i.v.) treatment in rats reveals Cl, V _{ss} , and t _{1/2} values of 67 mL/min/kg, 1.2 L/kg, and 0.34 hours, respectively[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5351 mL	12.6756 mL	25.3511 mL
5 mM	0.507 mL	2.5351 mL	5.0702 mL
10 mM	0.2535 mL	1.2676 mL	2.5351 mL
50 mM	0.0507 mL	0.2535 mL	0.507 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

Woolford AJ, et al. Fragment-Based Approach to the Development of an Orally Bioavailable Lactam Inhibitor of Lipoprotein-Associated Phospholipase A2 (Lp-PLA2). J Med Chem. 2016 Dec 8;59(23):10738-10749.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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