

LEI110

Chemical Properties

CAS No. : 2313525-90-3

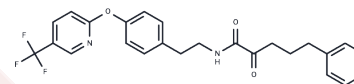
Formula: C₂₅H₂₃F₃N₂O₃

Molecular Weight: 456.46

Store at low temperature

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	LEI110 is a potent Phospholipase A ₂ , group XVI (PLA ₂ G ₁₆) inhibitor with an K _i value of 20 nM. LEI110 is a selective pan-inhibitor of the HRASLS family of thiol hydrolases (i.e., PLA ₂ G ₁₆ , HRASLS2, RARRES3 and iNAT).
Targets(IC ₅₀)	Others,Phospholipase
In vitro	LEI110 reduces cellular arachidonic acid levels in PLA ₂ G ₁₆ -overexpressing U2OS cells and oleic acid-induced steatosis in human HepG2 cells[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (109.54 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (5.48 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	2.1908 mL	10.9539 mL	21.9077 mL
5 mM	0.4382 mL	2.1908 mL	4.3815 mL
10 mM	0.2191 mL	1.0954 mL	2.1908 mL
50 mM	0.0438 mL	0.2191 mL	0.4382 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

Zhou J, et al. Activity-Based Protein Profiling Identifies α -Ketoamides as Inhibitors for Phospholipase A2 Group XVI. ACS Chem Biol. 2019 Feb 15;14(2):164-169.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481