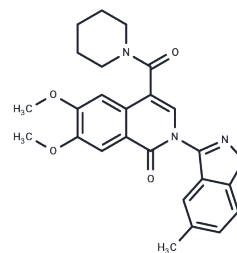


AS2717638

Chemical Properties

CAS No. :	2148339-28-8
Formula:	C ₂₅ H ₂₅ N ₃ O ₅
Molecular Weight:	447.48
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	AS2717638 is an orally active and selective lysophosphatidic acid receptor 5 (LPA5) antagonist (IC ₅₀ : 38 nM for hLPA5). It also significantly improves PGF ₂ α-, PGE ₂ -, and AMPA-induced allodynia.
Targets(IC ₅₀)	Others,LPL Receptor

Solubility Information

Solubility	DMSO: 54 mg/mL (120.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (11.17 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	2.2347 mL	11.1737 mL	22.3474 mL
5 mM	0.4469 mL	2.2347 mL	4.4695 mL
10 mM	0.2235 mL	1.1174 mL	2.2347 mL
50 mM	0.0447 mL	0.2235 mL	0.4469 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

Murai N, et al. Analgesic effects of novel lysophosphatidic acid receptor 5 antagonist AS2717638 in rodents. *Neuropharmacology*. 2017 Nov;126:97-107.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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