

LAU-0901

## Chemical Properties

CAS No. : 727358-25-0

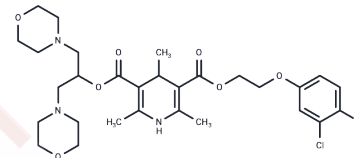
Formula: C<sub>29</sub>H<sub>39</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>7</sub>

Molecular Weight: 612.54

Keep away from moisture

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	LAU-0901, a platelet-activating factor (PAF) receptor antagonist, demonstrates efficacy in reducing infarct volume and enhancing neurological function in rats subjected to middle cerebral artery occlusion (MCAO)-induced cerebral ischemia, at doses of 30, 60, and 90 mg/kg. Furthermore, it diminishes microglial infiltration while promoting astrocytic and neuronal survival in the same model. Additionally, at a dose of 30 mg/kg, LAU-0901, either alone or combined with atorvastatin, shows a capability to inhibit tumor growth in a U87MG glioblastoma mouse orthotopic tumor model.
Targets(IC50)	PAFR

## Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6325 mL	8.1627 mL	16.3255 mL
5 mM	0.3265 mL	1.6325 mL	3.2651 mL
10 mM	0.1633 mL	0.8163 mL	1.6325 mL
50 mM	0.0327 mL	0.1633 mL	0.3265 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**

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

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