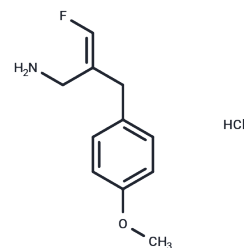


LJP-1586 HCl

Chemical Properties

CAS No. :	955037-42-0
Formula:	C ₁₁ H ₁₅ ClFNO
Molecular Weight:	231.69
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	LJP-1586 HCl, a highly selective inhibitor of vascular adhesion protein-1 (VAP-1), exhibits antiinflammation effect by reducing adhesion molecule expression and immune cell infiltration after intracerebral hemorrhage (ICH).
Targets(IC50)	Others, Monoamine Oxidase

Solubility Information

Solubility	H ₂ O: 40 mg/mL (172.64 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3161 mL	21.5806 mL	43.1611 mL
5 mM	0.8632 mL	4.3161 mL	8.6322 mL
10 mM	0.4316 mL	2.1581 mL	4.3161 mL
50 mM	0.0863 mL	0.4316 mL	0.8632 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

- Filip A, et al. Expression of the semicarbazide-sensitive amine oxidase in articular cartilage: its role in terminal differentiation of chondrocytes in rat and human. *Osteoarthritis Cartilage*. 2016 Jul;24(7):1223-34.
- Xu H, et al. VAP-1 blockade prevents subarachnoid hemorrhage-associated cerebrovascular dilating dysfunction via repression of a neutrophil recruitment-related mechanism. *Brain Res*. 2015 Apr 7;1603:141-9.
- Xu HL, et al. Pharmacologic blockade of vascular adhesion protein-1 lessens neurologic dysfunction in rats subjected to subarachnoid hemorrhage. *Brain Res*. 2014 Oct 24;1586:83-9.
- Watcharotayangul J, et al. Post-ischemic vascular adhesion protein-1 inhibition provides neuroprotection in a rat temporary middle cerebral artery occlusion model. *J Neurochem*. 2012 Nov;123 Suppl 2:116-24.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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