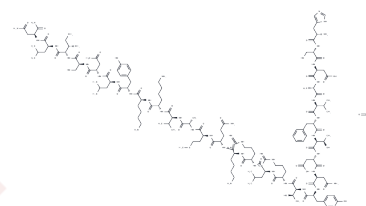


Aviptadil Acetate

Chemical Properties

CAS No. :	1444827-29-5
Formula:	C ₁₄₇ H ₂₃₈ N ₄₄ O ₄₂ S.C ₂ H ₄ O ₂
Molecular Weight:	3385.9
Appearance:	no data available
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Aviptadil Acetate (Vasoactive Intestinal Peptide acetate salt) induces pulmonary vasodilation and inhibits the proliferation of vascular SMCs and platelet aggregation. Avitadil acetate can be used for research on pulmonary fibrosis, pulmonary hypertension (PAH), and respiratory failure caused by SARS-CoV-2.
Targets(IC50)	RAAS,SARS-CoV
In vitro	Aviptadil acetate inhibits the basal proliferation of pulmonary arterial smooth muscle cells (PASMC) and the mobilization of intracellular free calcium concentration in these cells in a dose-dependent manner[2].
In vivo	Inhaled vasoactive intestinal peptide(Aviptadil acetate) as a local therapy to reduce the alveolar inflammation found in patients with immune checkpoint inhibitor pneumonitis[1].

Solubility Information

Solubility	DMSO: 95mg/mL (28.06 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2953 mL	1.4767 mL	2.9534 mL
5 mM	0.0591 mL	0.2953 mL	0.5907 mL
10 mM	0.0295 mL	0.1477 mL	0.2953 mL
50 mM	0.0059 mL	0.0295 mL	0.0591 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.

Reference

Frye BC, Meiss F, von Bubnoff D, Zissel G, Müller-Quernheim J. Vasoactive Intestinal Peptide in Checkpoint Inhibitor-Induced Pneumonitis. N Engl J Med. 2020;382(26):2573-2574. doi:10.1056/NEJMc2000343

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