

Aviptadil

Cat. No.:	HY-P0012	
CAS No.:	40077-57-4	
Molecular Formula:	C ₁₄₇ H ₂₃₈ N ₄₄ O ₄₂ S	
Molecular Weight:	3325.8	HSDAVFTDNYTRLRKQMAVKKYLNSILN-NH ₂
Sequence Shortening:	HSDAVFTDNYTRLRKQMAVKKYLNSILN-NH ₂	
Target:	SARS-CoV	
Pathway:	Anti-infection	
Storage:	Sealed storage, away from moisture	
	Powder	-80°C 2 years
		-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

SOLVENT & SOLUBILITY

In Vitro

H₂O : 33.33 mg/mL (10.02 mM; Need ultrasonic)

Concentration	Solvent	Mass	Mass		
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		0.3007 mL	1.5034 mL	3.0068 mL
	5 mM		0.0601 mL	0.3007 mL	0.6014 mL
	10 mM		0.0301 mL	0.1503 mL	0.3007 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Aviptadil is an analog vasoactive intestinal polypeptide (VIP) with potent vasodilatory effects. Aviptadil induces pulmonary vasodilation and inhibits vascular SMCs proliferation, platelet aggregation. Aviptadil can be used for the research of pulmonary fibrosis, pulmonary arterial hypertension (PAH) and SARS-CoV-2 caused respiratory failure, et al^{[1][2]}.

CUSTOMER VALIDATION

- Nucleic Acids Res. 2021 Jan 8;49(D1):D1113-D1121.

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REFERENCES

[1]. Intravenous Aviptadil for Critical COVID-19 With Respiratory Failure (COVID-AIV)

[2]. Jian Hu, et al. Novel Targets of Drug Treatment for Pulmonary Hypertension. Am J Cardiovasc Drugs

Caution: Product has not been fully validated for medical applications. For research use only.

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