

RVD-Hpα

Chemical Properties

CAS No. : 1193362-76-3

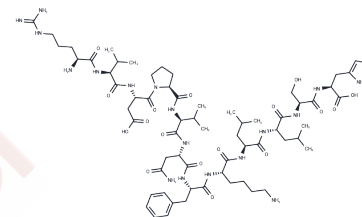
Formula: C₆₅H₁₀₅N₁₉O₁₇

Molecular Weight: 1424.66

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	N-terminally extended form of human hemopressin that acts as a selective CB1 receptor agonist. Increases intracellular Ca ²⁺ levels in cells expressing CB1 receptors in vitro. Also high affinity CB2 positive allosteric modulator (K _i = 50 nM).
Targets(IC50)	Cannabinoid Receptor

Solubility Information

Solubility	H ₂ O: 1 mg/mL (0.7 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	0.7019 mL	3.5096 mL	7.0192 mL
5 mM	0.1404 mL	0.7019 mL	1.4038 mL
10 mM	0.0702 mL	0.351 mL	0.7019 mL
50 mM	0.014 mL	0.0702 mL	0.1404 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

- Gomes et al (2009) Novel endogenous peptide agonists of cannabinoid receptors. FASEB J. 23 3020 PMID:
 Khurana et al (2017) Modulation of CB1 cannabinoid receptor by allosteric ligands: Pharmacology and therapeutic opportunities. Neuropharmacology 124 3 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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