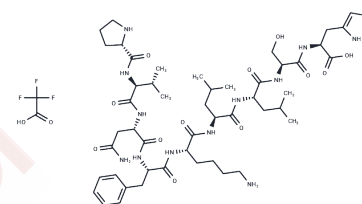


Hemopressin(human, mouse) TFA

Chemical Properties

CAS No. :	1431329-48-4
Formula:	C52H80F3N13O14
Molecular Weight:	1168.27
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Hemopressin TFA, a nonapeptide originating from the α 1-chain of hemoglobin and initially isolated from rat brain homogenates, is an orally active, selective inverse agonist of CB1 cannabinoid receptors that demonstrates antinociceptive effects in inflammatory pain models [1] [2].
Targets(IC50)	Cannabinoid Receptor
In vivo	Hemopressin TFA induces hypotension in anesthetized rats and undergoes metabolism by endopeptidase 24.15 (EP24.15), neurolysin (EP24.16), and angiotensin-converting enzyme (ACE) in both in vivo and in vitro conditions [1]. When administered orally, it mitigates mechanical hyperalgesia in CCI-rats for up to 6 hours and reduces Egr-1 immunoreactivity (Egr-1I _r) in the dorsal horn's superficial layer within the spinal cord of CCI rats [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.856 mL	4.2798 mL	8.5597 mL
5 mM	0.1712 mL	0.856 mL	1.7119 mL
10 mM	0.0856 mL	0.428 mL	0.856 mL
50 mM	0.0171 mL	0.0856 mL	0.1712 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

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