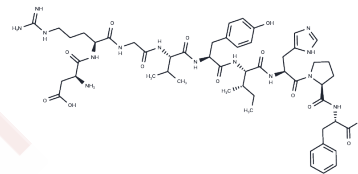


TRV056

Chemical Properties

CAS No. : 812644-79-4
 Formula: C52H74N14O13
 Molecular Weight: 1103.249
 Storage: Keep away from moisture
 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	TRV056 is a Gq-biased agonist of the angiotensin II type 1 receptor (AT1R), demonstrating efficacy in stimulating Gq-mediated cellular signaling. It can serve as a foundation for the development of Gq-biased AT1R agonists.
Targets(IC50)	RAAS
In vitro	TRV056 is a "gain-of-function" ligand exhibiting over tenfold stronger allosteric coupling to Gq compared to Angiotensin II (AngII), thereby more effectively stimulating Gq-mediated cellular signaling, such as IP1 generation. As a Gq-biased AT1R agonist, it surpasses the endogenous ligand AngII in both efficacy of stimulating Gq-mediated signaling and in enhancing Gq coupling[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9064 mL	4.5321 mL	9.0641 mL
5 mM	0.1813 mL	0.9064 mL	1.8128 mL
10 mM	0.0906 mL	0.4532 mL	0.9064 mL
50 mM	0.0181 mL	0.0906 mL	0.1813 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

Laura M Wingler, et al. Angiotensin Analogs with Divergent Bias Stabilize Distinct Receptor Conformations. Cell. 2019 Jan 24;176(3):468-478.e11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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