

TRV120055

Chemical Properties

CAS No. : 2410957-04-7

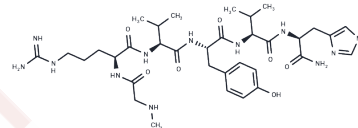
Formula: C₃₄H₅₄N₁₂O₇

Molecular Weight: 742.883

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	TRV120055, a Gq-biased agonist, demonstrates a 10-fold higher molecular efficacy when tested against the AT1R-Gq fusion protein in comparison to the AT1R-βarr2 fusion protein.
Targets(IC50)	RAAS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3461 mL	6.7306 mL	13.4611 mL
5 mM	0.2692 mL	1.3461 mL	2.6922 mL
10 mM	0.1346 mL	0.6731 mL	1.3461 mL
50 mM	0.0269 mL	0.1346 mL	0.2692 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

Rajagopal S, et, al. Quantifying ligand bias at seven-transmembrane receptors. Mol Pharmacol. 2011 Sep;80(3): 367-77.

Strachan RT, et, al. Divergent transducer-specific molecular efficacies generate biased agonism at a G protein-coupled receptor (GPCR). J Biol Chem. 2014 May 16; 289(20): 14211-24.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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