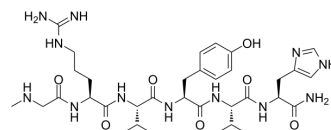


TRV120055

Cat. No.:	HY-P2381
CAS No.:	2410957-04-7
Molecular Formula:	C ₃₄ H ₅₄ N ₁₂ O ₇
Molecular Weight:	742.87
Sequence Shortening:	{Sar}-RVVH-NH ₂
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (33.65 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.3461 mL	6.7307 mL	13.4613 mL
				5 mM	0.2692 mL	1.3461 mL	2.6923 mL
				10 mM	0.1346 mL	0.6731 mL	1.3461 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 0.62 mg/mL (0.83 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 0.62 mg/mL (0.83 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 0.62 mg/mL (0.83 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	TRV120055 is a G _q -biased agonists, exhibits 10-fold larger molecular efficacies at the AT ₁ R-Gq fusion protein compared with the AT ₁ R-βarr2 fusion protein ^[1] .
-------------	---

REFERENCES

[1]. 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.

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

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA