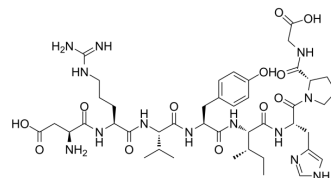


## TRV120056

**Cat. No.:** HY-P2382  
**CAS No.:** 40678-47-5  
**Molecular Formula:** C<sub>43</sub>H<sub>65</sub>N<sub>13</sub>O<sub>12</sub>  
**Molecular Weight:** 956.06  
**Sequence:** Asp-Arg-Val-Tyr-Ile-His-Pro-Gly  
**Sequence Shortening:** DRVYIHPG  
**Target:** Others  
**Pathway:** Others  
**Storage:** Sealed storage, away from moisture  
 Powder -80°C 2 years  
 -20°C 1 year



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

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 33.33 mg/mL (34.86 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.0460 mL	5.2298 mL	10.4596 mL
	5 mM	0.2092 mL	1.0460 mL	2.0919 mL
	10 mM	0.1046 mL	0.5230 mL	1.0460 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

TRV120056 is a G<sub>q</sub>-biased agonists, exhibits 10-fold larger molecular efficacies at the AT<sub>1</sub>R-Gq fusion protein compared with the AT<sub>1</sub>R-βarr2 fusion protein<sup>[1]</sup>.

### 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.

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**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](mailto:tech@MedChemExpress.com)

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