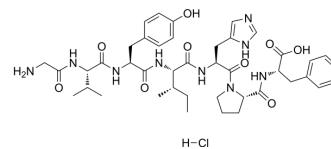


## TRV055 hydrochloride

Cat. No.:	HY-P3136A
Molecular Formula:	C <sub>42</sub> H <sub>58</sub> ClN <sub>9</sub> O <sub>9</sub>
Molecular Weight:	868.42
Sequence Shortening:	GVYIHPF
Target:	Angiotensin Receptor
Pathway:	GPCR/G Protein
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 : ≥ 50 mg/mL (57.58 mM)  
 \* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.1515 mL	5.7576 mL	11.5152 mL
	5 mM	0.2303 mL	1.1515 mL	2.3030 mL
	10 mM	0.1152 mL	0.5758 mL	1.1515 mL

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

### BIOLOGICAL ACTIVITY

#### Description

TRV055 hydrochloride, a G-protein-biased agonist, is a Gq-biased ligand of the angiotensin II receptor type 1 (AT1R). TRV055 hydrochloride is efficacious in stimulating cellular Gq-mediated signaling<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

Angiotensin II Type 1

### REFERENCES

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

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

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