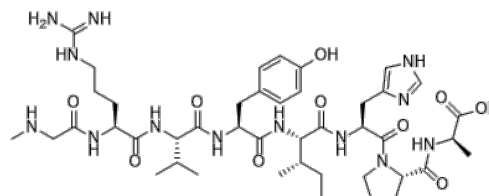


Product Name : TRV027
Cat. No. : PC-23652
CAS No. : 1234510-46-3
Molecular Formula : C₄₃H₆₇N₁₃O₁₀
Molecular Weight : 926.09
Target : Angiotensin Receptor
Solubility : 10 mM in DMSO



Biological Activity

TRV027 (TRV120027) is a potent, selective β -arrestin biased ligand of angiotensin II type 1 receptor (AT1R), competitively antagonizes angiotensin II-stimulated G protein signaling.

TRV027 stimulates β -arrestin recruitment and activates several kinase pathways, including p42/44 mitogen-activated protein kinase, Src, and endothelial nitric-oxide synthase phosphorylation via β -arrestin coupling.

TRV120027 increases cardiomyocyte contractility in vitro.

TRV120027 reduces mean arterial pressure in rats.

References

Robbins AJ, et al. Br J Clin Pharmacol. 2023 Apr;89(4):1495-1501.

Jonathan D Violin, et al. J Pharmacol Exp Ther. 2010 Dec;335(3):572-9.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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