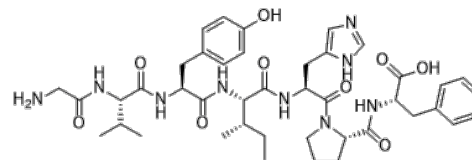


Product Name : TRV055
Cat. No. : PC-27457
CAS No. : 25849-90-5
Molecular Formula : C₄₂H₅₇N₉O₉
Molecular Weight : 831.97
Target : Angiotensin Receptor
Solubility : 10 mM in DMSO



Biological Activity

TRV055 (TRV120055) is a selective Gq/11 biased agonist to activate canonical Gq/11 signaling of the angiotensin II type 1 receptor (AT1R).

TRV055 (TRV120055) induces fibroblast proliferation, overexpression of collagen I and α -SMA, and stress fibre formation in human cardiac fibroblasts.

TRV055 (TRV120055) activates AT1 receptor/G α q-mediated signaling pathways, upregulates TGF- β 1 and p-ERK1/2.

TRV055 (TRV120055) induces collagen secretion in adult rat myofibroblasts at a level comparable to Ang II.

References

Dallagnol JCC, et al. ACS Chem Biol. 2023 Sep 15;18(9):2050-2062.

Cui Y, et al. J Am Heart Assoc. 2022 Feb 15;11(4):e022070.

Parichatikanond W, et al. Eur J Pharmacol. 2023 Jul 15;951:175780.

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

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