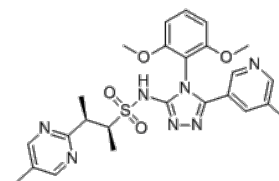


Product Name : AMG 986
Cat. No. : PC-38136
CAS No. : 2049980-18-7
Molecular Formula : C₂₅H₂₉N₇O₄S
Molecular Weight : 523.612
Target : Apelin Receptor (APLNR)
Solubility : 10 mM in DMSO



Biological Activity

AMG 986 (Azelafrag, AMG986) is a small-molecule agonist of **Apelin receptor** (APJ, APLNR), inhibits forskolin-stimulated cAMP production (pEC₅₀=9.64) and promoted Gα protein activation (pEC₅₀=9.54).

AMG 986 is a full APJ agonist that exhibits slight differences in potency relative to one another and may be more potent when compared with the endogenous ligand pyr-apelin-13.

AMG 986 exhibited a potency to recruit β-arrestin using the PathHunter arrestin assay with pC₅₀ of 9.61.

AMG 986 altered cardiac hemodynamics and increased cardiac reserve during dobutamine challenge in a rat model of impaired metabolic function and exhibited improved pharmacokinetic profile relative to pyr-apelin-13.

References

Brandon Ason, et al. *JCI Insight*. 2020 Apr 23;5(8):e132898.

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

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