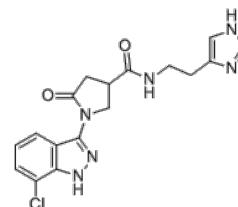


Product Name : PA-915
Cat. No. : PC-49382
CAS No. : 2305204-24-2
Molecular Formula : C₁₇H₁₇ClN₆O₂
Molecular Weight : 372.813
Target : Vasoactive intestinal peptide receptor (VIPR)
Solubility : 10 mM in DMSO



Biological Activity

PA-915 (PA915) is a small-molecule, non-peptide antagonist of the **PACAP type I (PAC1) receptor**, inhibits PACAP (1 nM)-induced phosphorylation of CREB in PAC1/CHO cells with IC₅₀ of <10 pM.

PA-915 is more potent than PA-9 on the PACAP-induced phosphorylation of CREB in the PAC1/CHO cells.

PA-915 inhibited both pituitary adenylate cyclase-activating polypeptide (PACAP) and spinal nerve ligation-induced mechanical allodynia.

PA-915 also showed anti-allodynic effects following oral administration.

References

Ichiro Takasaki, et al. *Eur J Med Chem.* 2020 Jan 15;186:111902.

Yusuke Shintani, et al. *Biochem Biophys Res Commun.* 2022 Nov 26;631:146-151.

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

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