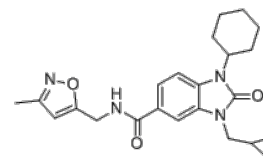


Product Name : hNPR1 inhibitor JS-11
Cat. No. : PC-72071
CAS No. : 1394592-04-1
Molecular Formula : C₂₃H₂₈N₄O₃
Molecular Weight : 408.502
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

hNPR1 inhibitor JS-11 is a selective small-molecule inhibitor of NPPB receptor **NPR1 (natriuretic peptide receptor 1)**, does not inhibit adenylate cyclases (ACs) family of enzymes.

hNPR1 inhibitor JS-11 inhibits hNPR1 receptor activity through a non-competitive mechanism.

hNPR1 inhibitor JS-11 reduced scratching responses to histamine-challenged mice and attenuated CYM5442-induced scratching in vivo, reduced the number of c-FOS-positive neurons to intradermal histamine challenge.

hNPR1 inhibitor JS-11 inhibited itching in a mouse model of contact dermatitis

References

Hans Jürgen Solinski, et al. *Sci Transl Med.* 2019 Jul 10;11(500):eaav5464.

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

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