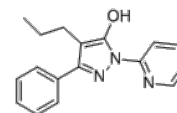


Product Name : APX-115 freebase
Cat. No. : PC-60409
CAS No. : 1270084-92-8
Molecular Formula : C₁₇H₁₇N₃O
Molecular Weight : 279.343
Target : NADPH Oxidase (NOX)
Solubility : 10 mM in DMSO



Biological Activity

Isuzinaxib (APX-115, Ewha 18278) is a first-in-class, orally active, pan-**NADPH oxidase (Nox)** inhibitor with K_i of 1.08, 0.57, 0.63 nM for Nox1, Nox2, and Nox4, respectively.

APX-115 shows no inhibitory activities on xanthine oxidase and glucose oxidase.

APX-115 inhibits the responses of BMMs to RANKL, including ROS generation, activation of MAPK and NF- κ B, and osteoclast cells differentiation.

APX-115 protects db/db mice from renal injury.

References

Cha JJ, et al. *Lab Invest.* 2017 Apr;97(4):419-431.

Kwon G, et al. *Oncotarget.* 2017 Jun 16. doi: 10.18632/oncotarget.18540.

Joo JH, et al. *Sci Rep.* 2016 Mar 15;6:22389.

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

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