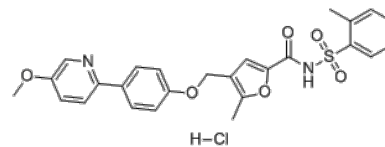


Product Name : BGC20-1531
Cat. No. : PC-36058
CAS No. : 1962928-26-2
Molecular Formula : C₂₆H₂₅ClN₂O₆S
Molecular Weight : 529.004
Target : Prostaglandin Receptor
Solubility : 10 mM in DMSO



Biological Activity

BGC20-1531 (PGN-1531, AP 1531) is a potent, selective **prostanoid EP receptor EP4** antagonist, exhibits high affinity at recombinant human EP4 receptors expressed in cell lines (pKB=7.6) and native EP4 receptors in human cerebral and meningeal artery (pKB=7.6-7.8).

BGC20-1531 shows no appreciable affinity at a wide range of other receptors (including other prostanoid receptors), channels, transporters and enzymes (pKi < 5).

BGC20-1531 competitively antagonizes PGE(2)-induced vasodilatation of human middle cerebral (pK(B) 7.8) and meningeal (pK(B) 7.6) arteries in vitro, and PGE(2)-induced increase in canine carotid blood flow in vivo.

References

Maubach KA, et al. Br J Pharmacol. 2009 Jan;156(2):316-27.

Antonova M, et al. J Headache Pain. 2011 Oct;12(5):551-9.

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

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