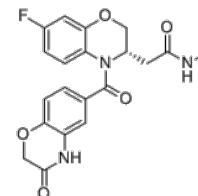


Product Name : AZD9977
Cat. No. : PC-62592
CAS No. : 1850385-64-6
Molecular Formula : C₂₀H₁₈FN₃O₅
Molecular Weight : 399.378
Target : Mineralocorticoid Receptor (MLR)
Solubility : 10 mM in DMSO



Biological Activity

Balciarenone (AZD9977) is a novel, first-in-class, selective and oral **mineralocorticoid receptor** (MR) modulator with pK_i of 7.5, shows little to no affinity for GR, PR and AR (pIC₅₀<5.5).

Balciarenone (AZD9977) dose dependently reduces albuminuria and improves kidney histopathology similar to eplerenone in db/db uni-nephrectomised mice and uni-nephrectomised rats, does not affect urinary Na⁺/K⁺ ratio.

References

Bamberg K, et al. *PLoS One*. 2018 Feb 23;13(2):e0193380.

Erlandsson F, et al. *Br J Clin Pharmacol*. 2018 Feb 21. doi: 10.1111/bcp.13562.

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

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