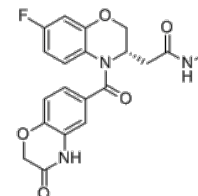


**Product Name** : AZD 9977  
**Cat. No.** : PC-62592  
**CAS No.** : 1850385-64-6  
**Molecular Formula** : C<sub>20</sub>H<sub>18</sub>FN<sub>3</sub>O<sub>5</sub>  
**Molecular Weight** : 399.378  
**Target** : Mineralocorticoid Receptor (MLR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Balcinrenone (AZD9977) is a novel, first-in-class, selective and oral **mineralocorticoid receptor** (MR) modulator with pKi of 7.5, shows little to no affinity for GR, PR and AR (pIC<sub>50</sub><5.5).

Balcinrenone (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<sup>+</sup>/K<sup>+</sup> 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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