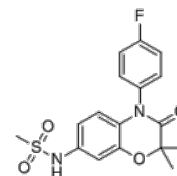


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<b>Product Name</b>	: Apararenone
<b>Cat. No.</b>	: PC-35937
<b>CAS No.</b>	: 945966-46-1
<b>Molecular Formula</b>	: C <sub>17</sub> H <sub>17</sub> FN <sub>2</sub> O <sub>4</sub> S
<b>Molecular Weight</b>	: 364.391
<b>Target</b>	: Mineralocorticoid Receptor (MLR)
<b>Solubility</b>	: 10 mM in DMSO



## Biological Activity

Apararenone (MT-3995) is a highly selective and potent, nonsteroidal **mineralocorticoid receptor (MR)** antagonist with K<sub>i</sub> of 104 nM, >360-fold selectivity over GR,AR,PR and ER receptors.

Apararenone (MT-3995) exhibited a more potent antihypertensive and organ-protective activity than steroidal MRA eplerenone in a primary aldosteronism rat model obtained by infusing aldosterone in uninephrectomized rats.

## References

- Kolkhof P, et al. *Curr Opin Nephrol Hypertens*. 2015 Sep;24(5):417-24.
- Kolkhof P, et al. *J Endocrinol*. 2017 Jul;234(1):T125-T140.
- Iijima T, et al. *J Med Chem*. 2022 Jun 2. doi: 10.1021/acs.jmedchem.2c00402.

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

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