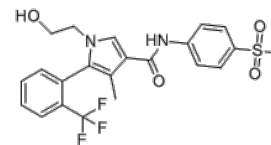

Product Name	: CS-3150
Cat. No.	: PC-60739
CAS No.	: 1632006-28-0
Molecular Formula	: C ₂₂ H ₂₁ F ₃ N ₂ O ₄ S
Molecular Weight	: 466.475
Target	: Mineralocorticoid Receptor (MLR)
Solubility	: 10 mM in DMSO



Biological Activity

CS-3150 (Esaxerenone, XL-550) is a highly potent, selective and orally active non-steroidal **mineralocorticoid receptor** antagonist with IC₅₀ of 9.4 nM.

CS-3150 (Esaxerenone, XL-550) displays >1,000-fold selectivity over other steroid hormone receptors, glucocorticoid receptor, androgen receptor and progesterone receptor.

CS-3150 (Esaxerenone, XL-550) inhibits aldosterone-induced transcriptional activation of human mineralocorticoid receptor with IC₅₀ of 3.7 nM.

CS-3150 (Esaxerenone, XL-550) shows superior potency to that of spironolactone and eplerenone; suppresses aldosterone-induced decrease in urinary Na(+)/K(+) ratio, inhibits blood pressure elevation induced by DOCA/salt-loading in rats.

References

Arai K, et al. *Eur J Pharmacol.* 2015 Aug 15;761:226-34.

Arai K, et al. *Eur J Pharmacol.* 2015 Dec 15;769:266-73.

Arai K, et al. *J Pharmacol Exp Ther.* 2016 Sep;358(3):548-57.

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

E-mail: tech@probechem.com
