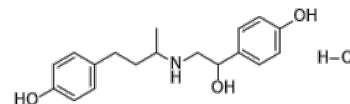


Product Name : Ractopamine hydrochloride
Cat. No. : PC-28374
CAS No. : 90274-24-1
Molecular Formula : $C_{18}H_{24}ClNO_3$
Molecular Weight : 337.84
Target : Adrenergic Receptor
Solubility : 10 mM in DMSO



Biological Activity

Ractopamine hydrochloride (LY031537) is a potent and orally active β -adrenergic receptor (β AR) agonist with K_i of 25 nM for pig β 1AR and β 2A, is also a TAAR1 agonist with EC_{50} of 16 μ M for mTAAR1.

Ractopamine produces concentration-dependent increases in chloride conductance in oocytes coexpressing hCFTR and mTAAR1, which can be completely reversed by mTAAR1 antagonist EPPTB.

References

- Liu X, et al. J Pharmacol Exp Ther. 2014 Jul;350(1):124-9.
Colbert WE, et al. J Pharm Pharmacol. 1991 Dec;43(12):844-7.
Bunzow JR, et al. Mol Pharmacol. 2001 Dec;60(6):1181-8.

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

E-mail: tech@probechem.com