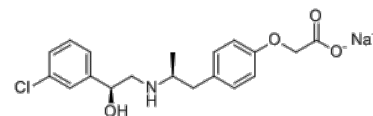


Product Name : BRL-37344 sodium
Cat. No. : PC-62018
CAS No. : 127299-93-8
Molecular Formula : C₁₉H₂₁NO₄ClNa
Molecular Weight : 385.82
Target : Adrenergic Receptor
Solubility : 10 mM in DMSO



Biological Activity

BRL-37344 sodium (BRL 37344A) is a potent and selective **β3 adrenoceptor (β3AR)** agonist with K_i of 287 nM. BRL-37344 has weaker binding affinity for β1 and β2 receptors with K_i of 1750 and 1120 nM, respectively. BRL-37344 is a potent agonist in brown adipocytes (EC₅₀ = 3.3 +/- 0.8 nM) than in white adipocytes (EC₅₀=5.7 nM) or colon (EC₅₀=27.5 nM). BRL-37344 stimulates fuel oxidation by soleus muscle in vitro.

References

Arch JR, et al. **Nature**. 1984 May 10-16;309(5964):163-5.
Oriowo MA, et al. **J Pharmacol Exp Ther**. 1996 Apr;277(1):22-7.
Board M, et al. **Eur J Pharmacol**. 2000 Oct 6;406(1):33-40.

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

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