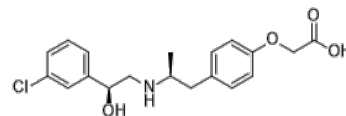


Product Name : BRL-37344
Cat. No. : PC-24800
CAS No. : 90730-96-4
Molecular Formula : C₁₉H₂₂ClNO₄
Molecular Weight : 363.84
Target : Adrenergic Receptor
Solubility : 10 mM in DMSO



Biological Activity

BRL-37344 (BRL37344) is a potent and selective β_3 adrenoceptor (β_3 AR) agonist with K_i of 287 nM. BRL-37344 has weaker binding affinity for β_1 and β_2 receptors with K_i of 1750 and 1120 nM, respectively. BRL-37344 is a potent agonist in brown adipocytes (EC_{50} = 3.3 \pm 0.8 nM) than in white adipocytes (EC_{50} =5.7 nM) or colon (EC_{50} =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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