



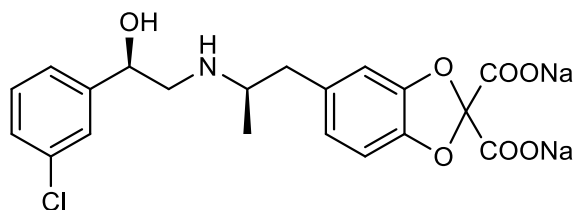
Catalog # 10-1450

CL-316243

CAS# 151126-84-0

5-[(2R)-2-[[[(2R)-2-(3-Chlorophenyl)-2-hydroxyethyl]amino]propyl]-1,3-benzodioxole-2,2-dicarboxylic acid disodium salt

Lot # FBA5207



Potent and selective β -3 adrenergic receptor agonist. (EC_{50} = 3 nM) Displays anti-obesity and anti-diabetic effects in mice. It increases brown fat thermogenesis and metabolic rate and decreases blood insulin and glucose levels.¹ Induces functionally active mitochondrial uncoupling protein (UCP) in white fat.² Active *in vivo*.

- 1) Yoshida *et al.* (1994), *Anti-obesity and anti-diabetic effects of CL 316,243, a highly specific beta 3-adrenoceptor agonist in yellow KK mice*; Life Sci., **54** 491
- 2) Yoshida *et al.* (1998), *beta 3-Adrenergic agonist induces a functionally active uncoupling protein in fat and slow-twitch muscle fibers*; Am. J. Physiol., **274** E469

PHYSICAL DATA

Molecular Weight:	465.80
Molecular Formula:	C ₂₀ H ₁₈ ClNa ₂ O ₇
Purity:	99% by HPLC
	NMR: (Conforms)
Solubility:	Water (up to 50 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in Distilled water may be stored at -20°C for up to 1 month.

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