

Lipoprotein Lipase Activator

Cat. No. COEC-108

Lot. No. (See product label)

Introduction

Description

Lipoprotein Lipase Activator is a cell-permeable benzylphosphonate derivative that selectively induces lipoprotein lipase (LPL) mRNA and protein levels, but does not exhibit PPAR α or PPAR γ agonistic activities. Lipoprotein Lipase Activator lowers serum lipid levels and plasma triglycerides with concomitant elevation in high-density lipoprotein cholesterol (HDL-C) in animal models. Lipoprotein Lipase Activator also induces fatty acid oxidation related enzymes, lowers free fatty acids (FFA), and minimizes fat accumulation. Also reported to suppress the plasma levels of TNF- α and COX-2 and displays anti-tumor properties.

Applications

An inducer of lipoprotein lipase mRNA

Synonyms

NO-1886; Diethyl 4-[(4-bromo-2-cyanophenyl)carbamoyl]benzylphosphonate; Ibrolipim

Product Information

Form	Solid
CAS No.	133208-93-2
Molecular Formula	C ₁₉ H ₂₀ BrN ₂ O ₄ P
Molecular Weight	451.25
Purity	≥95%
Melting Point	90.27° C (Predicted)
Boiling Point	512.47° C at 760 mmHg (Predicted)
Solubility	Soluble in DMSO (≥20 mg/ml).
Refractive Index	~1.72 (Predicted)