Creative Enzymes®

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 PPARα or PPARγ 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-a 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	C19H20BrN2O4P
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)