

## 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 $\alpha$  or PPAR $\gamma$  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- $\alpha$  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

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