Purdue Bioscience

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Data Sheet

Product Information

Catalog Number	BP14125
Product Name	PKCε Inhibitor Peptide acetate
Description	PKCε Inhibitor Peptide acetate is a selective PKCε inhibitor containing the site for its specific receptor for activated C kinase (RACK). PKCε Inhibitor Peptide acetate inhibits the translocation of PKCε, but not α-, β-, and δPKC.
In vitro	PKCε Inhibitor Peptide acetate(1 μM; 24 hours) significantly inhibits Oleic acid-induced connexin 43 Ser368 phosphorylation and prevents Oleic acid-induced gap junction disassembly in cardiomyocytes.
In vivo	In C57BL/6J mice transplanted the hearts of FVB mice, PKCε Inhibitor Peptide acetate (20 mg/kg/day; osmotic pumps s.c.) significantly improved the beating score throughout the treatment. PKCε Inhibitor Peptide acetate treatment almost abolished the rise in pro-fibrotic cytokine, TGF-β, and monocyte recruiting chemokine MCP-1 levels. PKCε Inhibitor Peptide acetate reduced the infiltration of macrophages and T cells into the cardiac grafts and decreased parenchymal fibrosis.
Synonyms	PKCε Inhibitor Peptide acetate(182683-50-7 Free base)
Chemical Formula	C39H69N9O15
Molecular Weight	904.02
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure OR Tested Image	

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