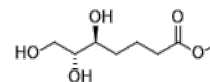


Product Name : BML-111
Cat. No. : PC-28023
CAS No. : 78606-80-1
Molecular Formula : C₈H₁₆O₅
Molecular Weight : 192.21
Target : Formyl peptide receptor (FPR)
Solubility : 10 mM in DMSO



Biological Activity

BML-111 is a **lipoxin A4 (LXA4)** analog and lipoxin A4 receptor (**ALX**, formyl peptide receptor 2, **FPR2**) agonist, inhibits leukotriene B₄-induced polymorphonuclear chemotaxis.

BML-111 effectively protected the liver from CCl₄-induced injury as evidenced by decreased serum aminotransferase (ALT, AST) levels and improved histological damage.

BML-111 markedly upregulated hepatic heme oxygenase-1 (HO-1) expression in CCl₄-treated mice, which might provide antioxidative activities in the liver.

BML-111 protects podocytes cultured in high-glucose medium against oxidative injury via activating Nrf2 pathway.

BML-111 attenuates ventilator-induced lung injury in rats. suppresses the growth of transplanted H22 tumor in mice through inhibiting tumor-related angiogenesis.

References

Zhang L, et al. *Hepatol Res.* 2007 Nov;37(11):948-56.

Chen Y, et al. *Mol Cancer Ther.* 2010 Aug;9(8):2164-74.

Hao H, et al. *Int Immunopharmacol.* 2022 Oct;111:109170.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com