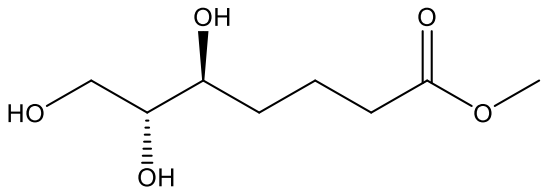
Catalog # 10-3202

BML-111

CAS# 78606-80-1

(5S,6R)-Methyl 5,6,7-trihydroxyheptanoate

Lot # S104001



A novel truncated analog of lipoxin A_4 which retains anti-inflammatory activity.[1] Inhibits LTB_4-induced leukocyte chemotaxis, IC_{50}=5 nM).[1] Attenuates hemorrhagic shock-induced acute lung injury in a rat model.[2] Displays hepatoprotective effects in acetaminophen-induced liver injury in mice.[3] Limits inflammatory damage in the cerebral cortex and helps maintain blood brain barrier integrity in a rat model of ischemic stroke.[4] Attenuates renal ischemia/reperfusion injury via activation of p38 MAPK/PPARα/HO-1 pathway.[5]

1) Lee et al. (1991), *Inhibition of leukotriene B4-induced neutrophil migration by lipoxin A4: structure-function relationships*; Biochem. Biophys. Res. Commun., **180** 1416
2) Li *et al*. (2013), *BML-111 attenuates hemorrhagic shock-induced acute lung injury through inhibiting activation of mitogen-activated protein kinase pathway in rats*; J. Surg. Res., **183** 710
3) El-Agamy *et al*. (2014), *Protective effects of BML-111 against acetaminophen-induced acute liver injury in mice*; J. Physiol. Biochem., **70** 141
4) Hawkins *et al*. (2014), *Neurovascular protection by post-ischemic intravenous injections of the lipoxin A4 receptor agonist, BML-111, in a rat model of ischemic stroke*; J. Neurochem., **129** 130
5) Wu *et al*. (2016), *BML-111-Attenuates renal Ischemia/Reperfusion Injury via Peroxisome Proliferator-Activates Receptor-α-Regulated Heme Oxygenase-1*; Inflammation, **39** 611

PHYSICAL DATA

Molecular Weight:	192.21
Molecular Formula:	$C_8H_{16}O_5$
Purity:	99% by TLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase.
	Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

www.focusbiomolecules.com