

## BML-111, LXA agonist; Antiinflammatory activity

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Catalog	Unit
TBI3202-5MG	5 mg
TBI3202-25MG	25 mg

### Product Details

**Formal Name:** (5S,6R)-Methyl 5,6,7-trihydroxyheptanoate

**Molecular Formula:** C<sub>8</sub>H<sub>16</sub>O<sub>5</sub>

**Formula Weight:** 192.21

**CAS Number:** 78606-80-1

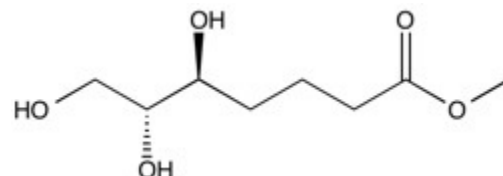
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

LXA agonist; Antiinflammatory activity

### Functions

A novel truncated analog of lipoxin A4 which retains anti-inflammatory activity.<sup>1</sup> Inhibits LTB<sub>4</sub>-induced leukocyte chemotaxis, IC<sub>50</sub>=5 nM). Attenuates hemorrhagic shock-induced acute lung injury in a rat model. Displays hepatoprotective effects in acetaminophen-induced liver injury in mice. Limits inflammatory damage in the cerebral cortex and helps maintain blood brain barrier integrity in a rat model of ischemic stroke. Attenuates renal ischemia/reperfusion injury via activation of p38 MAPK/PPAR $\alpha$ /HO-1 pathway.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

**For research use only.**