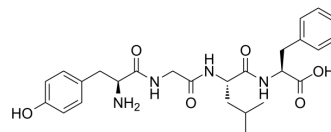


## Lactalbumin B (50-53) Alpha [Lactorphin Alpha], bovine

<b>Cat. No.:</b>	HY-P3976
<b>CAS No.:</b>	198284-23-0
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>34</sub> N <sub>4</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	498.57
<b>Sequence Shortening:</b>	YGLF
<b>Target:</b>	Angiotensin-converting Enzyme (ACE)
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Lactalbumin B (50-53) Alpha [Lactorphin Alpha], bovine is a blood pressure lowering peptide containing 4 amino acids. Lactalbumin B (50-53) Alpha [Lactorphin Alpha], bovine is an angiotensin-converting Enzyme (ACE) inhibitor. Lactalbumin B (50-53) Alpha [Lactorphin Alpha], bovine can be used in research of high blood pressure <sup>[1]</sup> .								
<b>In Vivo</b>	<p>Lactalbumin B (50-53) Alpha [Lactorphin Alpha], bovine (1-1000 µg/kg; s.c.) inhibits blood pressure in normotensive and spontaneously hypertensive rats<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Animal Model:</td> <td>Adult male SHR and WKY rats<sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>1, 10, 100, and 1000 µg/kg</td> </tr> <tr> <td>Administration:</td> <td>Subcutaneous injection</td> </tr> <tr> <td>Result:</td> <td>Inhibited blood pressure in a dose-dependent manner.</td> </tr> </table>	Animal Model:	Adult male SHR and WKY rats <sup>[1]</sup>	Dosage:	1, 10, 100, and 1000 µg/kg	Administration:	Subcutaneous injection	Result:	Inhibited blood pressure in a dose-dependent manner.
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Dosage:	1, 10, 100, and 1000 µg/kg								
Administration:	Subcutaneous injection								
Result:	Inhibited blood pressure in a dose-dependent manner.								

### REFERENCES

[1]. Nurminen MN, et, al. α-Lactorphin lowers blood pressure measured by radiotelemetry in normotensive and spontaneously hypertensive rats. Life Sciences. 2000 Mar 10;66(16):1535-43.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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