

## LH-RH II (chicken)

Cat. No.:	HY-P3604
CAS No.:	91097-16-4
Molecular Formula:	C <sub>60</sub> H <sub>69</sub> N <sub>17</sub> O <sub>13</sub>
Molecular Weight:	1236.3
Sequence Shortening:	{Glp}-HWSHGWYPG-NH2
Target:	Androgen Receptor
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	LH-RH II (chicken) is one of the two forms of luteinizing hormone-releasing hormone (LHRH) the hypothalamus of the domestic hen, which are structural variants of mammalian LHRH. LH-RH II (chicken) enhances gonadotrophin release in the domestic chicken <sup>[1][2]</sup> .
<b>In Vitro</b>	LH-RH II (chicken) occurs in low amounts throughout the brain <sup>[1]</sup> . LH-RH II (chicken) doesn't regulate gonadotrophin secretion in the hen directly rather than cLHRH-I <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	LH-RH II (chicken) (10 <sup>-10</sup> -10 <sup>-8</sup> mg/kg; i.v.; single dose) stimulates increases in the plasma concentrations of luteinizing hormone (LH), which are initiated within 1 min of injection in out-of-lay (OL) and incubating (I) hens but from 5 to 20 min postinjection in laying (L) hens <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Sharp PJ, et al. Physiological roles of chicken LHRH-I and -II in the control of gonadotrophin release in the domestic chicken. J Endocrinol. 1990 Feb;124(2):291-9.

[2]. Guémené D, et al. LH responses to chicken luteinizing hormone-releasing hormone I and II in laying, incubating, and out of lay turkey hens. Domest Anim Endocrinol. 1999 Jul;17(1):1-15.

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

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