

## Dynorphin (2-17) (porcine)

Cat. No.:	HY-P3628
CAS No.:	83608-80-4
Molecular Formula:	C <sub>90</sub> H <sub>146</sub> N <sub>30</sub> O <sub>21</sub>
Molecular Weight:	1984.31
Sequence Shortening:	GGFLRRIRPKLKWDNQ
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	Dynorphin (2-17) (porcine) is a peptide derived from Prodynorphin, can improve somatic signs of Morphine-dependent withdrawal <sup>[1]</sup> .								
<b>In Vivo</b>	Dynorphin (2-17) treatment reduces Naloxone-precipitated withdrawal signs in Morphine-dependent rats <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. <table><tr><td>Animal Model:</td><td>Male Sprague Dawley rats implanted with Morphine<sup>[1]</sup></td></tr><tr><td>Dosage:</td><td>0.1-5.0 mg/kg</td></tr><tr><td>Administration:</td><td>Intravenous injection; 0.1-5.0 mg/kg; once</td></tr><tr><td>Result:</td><td>Attenuated the incidence of wet dog shakes after Naloxone injection 30 min. Decreased Naloxone-induced body weight loss.</td></tr></table>	Animal Model:	Male Sprague Dawley rats implanted with Morphine <sup>[1]</sup>	Dosage:	0.1-5.0 mg/kg	Administration:	Intravenous injection; 0.1-5.0 mg/kg; once	Result:	Attenuated the incidence of wet dog shakes after Naloxone injection 30 min. Decreased Naloxone-induced body weight loss.
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### REFERENCES

[1]. Shippenberg TS, et al. Dynorphin A (2-17) attenuates the unconditioned but not the conditioned effects of opiate withdrawal in the rat. *Psychopharmacology (Berl)*. 2000 Sep;151(4):351-8.

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

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