

## Acetyl-ACTH (4-24) (human, bovine, rat)

Cat. No.:	HY-P4784
CAS No.:	1815618-00-8
Molecular Formula:	C <sub>123</sub> H <sub>193</sub> N <sub>37</sub> O <sub>26</sub> S
Molecular Weight:	2638.15
Sequence:	Ac-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro
Sequence Shortening:	Ac-MEHFRWGKPVGKKRRPVKVYP
Target:	Androgen Receptor
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Acetyl-ACTH (4-24) (human, bovine, rat) is a fragment of proopiomelanocortin (POMC) peptide. POMC peptides such as adrenocorticotrophin (ACTH), which is the precursor of  $\alpha$ -MSH, is also an agonist at the MC-1 receptor<sup>[1]</sup>.

### REFERENCES

[1]. K Wakamatsu, et al. Characterisation of ACTH peptides in human skin and their activation of the melanocortin-1 receptor. *Pigment Cell Res.* 1997 Oct;10(5):288-97.

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

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