

## ACTH (6-24) (human)

Cat. No.:	HY-P5950
CAS No.:	33512-65-1
Molecular Formula:	C <sub>111</sub> H <sub>175</sub> N <sub>35</sub> O <sub>21</sub>
Molecular Weight:	2335.8
Sequence:	His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro
Sequence Shortening:	HFRWGKPVGKKRRPVKVYP
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	ACTH (6-24) (human) (Adrenocorticotrophic hormone (6-24)) is an ACTH fragment. ACTH (6-24) (human) is a competitive inhibitor of steroidogenesis induced by ACTH (1-39) and ACTH (5-24) (K <sub>d</sub> :13.4 and 3.4 nM). ACTH (6-24) (human) inhibits corticosterone production and cAMP accumulation induced by hPTH 1-34 <sup>[1][2]</sup> .
-------------	--

### REFERENCES

- [1]. Rafferty B, et al. Corticosteroidogenesis and adenosine 3', 5'- monophosphate production by the amino-terminal (1-34) fragment of human parathyroid hormone in rat adrenocortical cells. *Endocrinology*. 1983 Sep;113(3):1036-42.
- [2]. Bristow AF, et al. Effects of ACTH (corticotropin) analogues on steroidogenesis and cyclic AMP in rat adrenocortical cells. Evidence for two different steroidogenically responsive receptors. *Biochem J*. 1980 Feb 15;186(2):599-603.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA