

ACTH (4-9)

Cat. No.:	HY-P3978
CAS No.:	56236-83-0
Molecular Formula:	C ₄₂ H ₅₆ N ₁₂ O ₉ S
Molecular Weight:	905.03
Sequence Shortening:	MEHFRW
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	ACTH (4-9) is an adrenocorticotrophic hormone (ACTH) fragment. ACTH (4-9) is the 4-9 sequence fragment of ACTH ^{[1][2]} .	
In Vivo	ACTH (4-9) (1 mg/kg; i.h.; pregnant females or newborn pups) suppresses related behavioral performance capability in later life ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Pregnant female mouse or newborn pups ^[1]
	Dosage:	1 mg/kg
	Administration:	Subcutaneous injection
	Result:	Inhibited learning/memory task performance in males and females mouse.

REFERENCES

- [1]. Honour LC, et, al. Pre- and postnatally administered ACTH, Organon 2766 and CRF facilitate or inhibit active avoidance task performance in young adult mice. *Peptides*. 1988 Jul-Aug;9(4):745-50.
- [2]. Sekita-Krzak J, et, al. Protective effects of ACTH (4-9) in degeneration of hippocampal nerve cells caused by dexamethasone: ultrastructural studies. *Ann Univ Mariae Curie Skłodowska Med*. 2002;57(2):233-8.

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

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