

α -MSH acetate

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	α -MSH acetate is an endogenous neuromodulatory peptide derived from POMC and an agonist of MC4R (melanocortin receptor 4). It inhibits food intake, fever, and inflammation, exhibiting multiple biological activities.
Targets(IC50)	Melanocortin Receptor
In vitro	α -MSH acetate regulates inflammation in the central nervous system (CNS) by directly acting on melanocortin receptors within glial cells; at the same time, α -MSH can modulate the activation process of NF κ B and inhibit its translocation into the cell nucleus [1].
In vivo	Intraperitoneal injection of α -MSH acetate (50 μ g/0.2 ml saline) effectively modulates the inflammatory response in IL-10-deficient mice. [1]

Reference

Lipton JM, et al. Mechanisms of antiinflammatory action of alpha-MSH peptides. In vivo and in vitro evidence. Ann N Y Acad Sci. 1999;885:173-182.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481