

**alpha-MSH (alpha-Melanocyte-stimulating hormone),
Endogenous melanocortin receptor agonist ab120189**

3 References 2 Images

Product name	alpha-MSH (alpha-Melanocyte-stimulating hormone), Endogenous melanocortin receptor agonist
Description	Endogenous melanocortin receptor agonist
Biological description	Endogenous melanocortin receptor agonist involved in feeding, homeostasis, body weight and inflammation.
CAS Number	581-05-5
Chemical structure	Ac-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH ₂

Properties

Molecular weight	1664.89
Molecular formula	C ₇₇ H ₁₀₉ N ₂₁ O ₁₉ S
Sequence	SYSMEHFRWGKPV (Modifications: N-terminal acetyl; C-terminal amide)
PubChem identifier	16132144
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <u>frequently asked questions (FAQ) page</u> for more details.</p>
Source	Synthetic

Applications

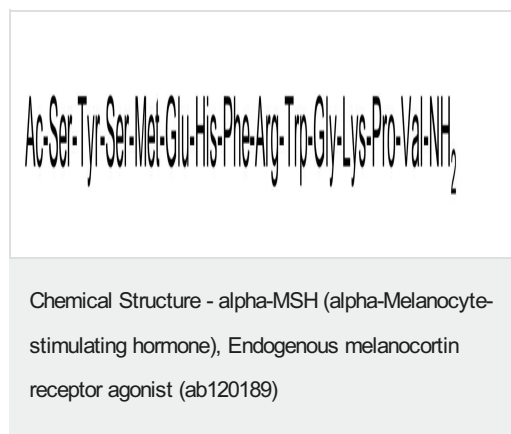
The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab120189 in the following tested applications.

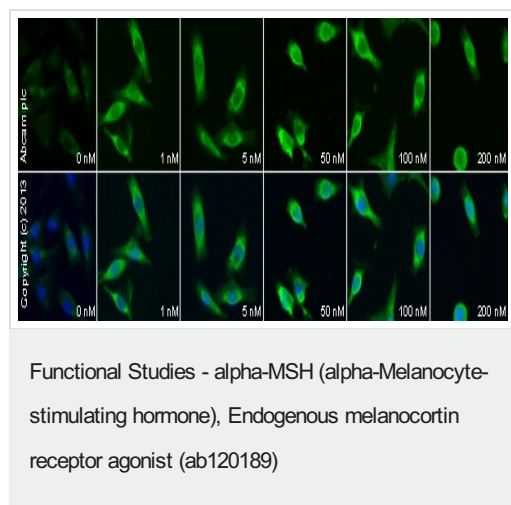
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



2D chemical structure image of ab120189, alpha-MSH (alpha-Melanocyte-stimulating hormone), Endogenous melanocortin receptor agonist



ab24851 staining cAMP in MALME-3M cells treated with α -MSH (ab120189), by ICC/IF. Increase of cAMP correlates with increased concentration of α -MSH as described in literature.

The cells were incubated at 37°C for 6h in media containing different concentrations of ab120189 (α -MSH) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab24851** (5 μ g/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-mouse polyclonal antibody (**ab96879**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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