



LKT Laboratories, Inc.

## $\beta$ -Melanocyte Stimulating Hormone,

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### Product Information

Product ID M7529

CAS No. 17908-57-5

**Chemical Name**

Synonym  $\beta$ -MSH

Formula  $C_{118}H_{174}N_{34}O_{35}S$

Formula Wt. 2660.9

Melting Point

Purity  $\geq 98\%$

Solubility

Ala-Glu-Lys-Lys-Asp-Glu-Gly-  
Pro-Tyr-Arg-Met-Glu-His-Phe-  
Arg-Trp-Gly-Ser-Pro-Pro-Lys-  
Asp

**Bulk quantities available upon request**

**Product ID    Size**

M7529            1 mg

Store Temp  $-20^{\circ}\text{C}$

Ship Temp Ambient

**Description**  $\beta$  Melanocyte-stimulating hormone ( $\beta$  MSH) is an endogenous POMC-derived peptide in the pituitary involved in energy homeostasis that activates melanocortin receptors.  $\beta$  MSH exhibits anti-inflammatory and anorexigenic activities. In vivo,  $\beta$  MSH decreases the intensity of acetaminophen-induced liver lesions. In other animal models, this peptide increases orexin and corticotropin-releasing factor (CRF) levels and decreases food intake.

**References** Blagać V, Houra K, Turčić P, et al. The influence of alpha-, beta-, and gamma-melanocyte stimulating hormone on acetaminophen induced liver lesions in male CBA mice. *Molecules*. 2010 Mar 3;15(3):1232-41. PMID: 20335976.

Kamisoyama H, Honda K, Saneyasu T, et al. Corticotropin-releasing factor is a downstream mediator of the beta-melanocyte-stimulating hormone-induced anorexigenic pathway in chicks. *Neurosci Lett*. 2009 Jul 24;458(3):102-5. PMID: 19393716.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.