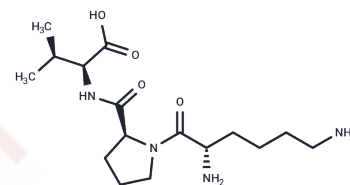


Msh (11-13)

## Chemical Properties

CAS No. : 67727-97-3  
 Formula: C<sub>16</sub>H<sub>30</sub>N<sub>4</sub>O<sub>4</sub>  
 Molecular Weight: 342.43  
 Storage: 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	Msh (11-13) is a bioactive chemical.
Targets(IC50)	Others, Melanocortin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9203 mL	14.6015 mL	29.203 mL
5 mM	0.5841 mL	2.9203 mL	5.8406 mL
10 mM	0.292 mL	1.4602 mL	2.9203 mL
50 mM	0.0584 mL	0.292 mL	0.5841 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Song DH, Jo YH, Ahn JH, Kim SB, Yun CY, Kim Y, Hwang BY, Lee MK. Sesquiterpenes from fruits of *Torilis japonica* with inhibitory activity on melanin synthesis in B16 cells. *J Nat Med*. 2018 Jan;72(1):155-160. doi: 10.1007/s11418-017-1123-4. Epub 2017 Aug 19. PubMed PMID: 28823078.

Xiao B, Xu Z, Viennois E, Zhang Y, Zhang Z, Zhang M, Han MK, Kang Y, Merlin D. Orally Targeted Delivery of Tripeptide KPV via Hyaluronic Acid-Functionalized Nanoparticles Efficiently Alleviates Ulcerative Colitis. *Mol Ther*. 2017 Jul 5;25(7):1628-1640. doi: 10.1016/j.ymthe.2016.11.020. Epub 2017 Jan 28. PubMed PMID: 28143741; PubMed Central PMCID: PMC5498804.

Schaible EV, Steinsträßer A, Jahn-Eimermacher A, Luh C, Sebastiani A, Kornes F, Pieter D, Schäfer MK, Engelhard K, Thal SC. Single administration of tripeptide  $\alpha$ -MSH(11-13) attenuates brain damage by reduced inflammation and apoptosis after experimental traumatic brain injury in mice. *PLoS One*. 2013 Aug 5;8(8):e71056. doi: 10.1371/journal.pone.0071056. Print 2013. PubMed PMID: 23940690; PubMed Central PMCID: PMC3733710.

Singh M, Mukhopadhyay K. C-terminal amino acids of alpha-melanocyte-stimulating hormone are requisite for its antibacterial activity against *Staphylococcus aureus*. *Antimicrob Agents Chemother*. 2011 May;55(5):1920-9. doi: 10.1128/AAC.00957-10. Epub 2011 Jan 31. PubMed PMID: 21282427; PubMed Central PMCID: PMC3088230.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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