DATASHEET
Version: 2016-08-18

γ-2-MSH (41-58), amide

Cat. No.: RP20307-1

Size: 1 mg

Description:

Melanocortin (MC) 3-MSH (Melanocyte-Stimulating Hormone) is believed to signal through the MC 3 receptor. It induces a sustained increase in intracellular free calcium levels ([Ca2+]i) in a subpopulation of pituitary cells. Most of the cells responding to 3-MSH express more than one pituitary hormone mRNA. The effect of 3-MSH is blocked by SHU9119, a MC3R and MC4R antagonist, in only 50% of the responsive cells, suggesting that in half of these cells the mediating receptor is not the MC3R. Low picomolar doses of 3-MSH increase [Ca2+]i in the growth hormone (GH)- and prolactin (PRL)-secreting GH3 cell line.

Sequence (one-letter code):

YVMGHFRWDRFG

Sequence (three-letter code):

{Tyr}{Val}{Met}{Gly}{His}{Phe}{Arg}{Trp}{Asp}{Arg}{Phe}{Gly}

Formula: $C_{74}H_{99}N_{21}O_{16}S$

Molecular Weight: 1,570.78

Note:

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