ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Cat# **SP-52271-5**

Description: Melanin concentrating Hormone, Salmon MCH, Salmon [H-Asp-Thr-Met-Arg-Cys-Met-Val-Gly-Arg-Val-Tyr-Arg-Pro-Cys-Trp-Glu-Val-OH; MW 297.9]

Size: 0.5 mg

Purity: >95%

Store: Desiccated at -20oC

Melanin-concentrating hormone (MCH) is a cyclic 19-amino acid orexigenic hypothalamic peptide originally isolated from the pituitary gland of teleost fish where it controls skin pigmentation.

In mammals it is involved in the regulation of feeding behavior, mood, sleep-wake cycle and energy balance. MCH expressing neurons are located within the lateral hypothalamus and zona incerta. Despite this restricted distribution MCH neurons project widely throughout the brain. MCH knockout mice are hypophagic (eat less) and lean and are hyperactive. When administered centrally it increases food intake and weight gain.

MCH may act as a neurotransmitter or neuromodulator in a broad array of neuronal functions directed toward the regulation of goal-directed behavior, such as food intake, and general arousal. May also have a role in spermatocyte differentiation.

References

Verret L., (2003). BMC Neurosci 4 (19): 19. Marsh DJ., (2002) Proc Natl Acad Sci USA 99 (5): 3240-5. Lalonde R., (2007). Behav Brain Res 178 (2): 293–304.

Related items from ADI

Catalog#	Prod Description
SP-52270-05	"Melanin Concentrating Hormone (MCH) (147-165) human, mouse, rat (Disulfide bridge Cys7-Cys16)"
SP-52271-05	Melanin concentrating Hormone, Salmon

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