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DATASHEET

MCH (human, mouse, rat)

Product overview

Name	MCH (human, mouse, rat)
Cat No	HB3615
Biological description	Potent endogenous MCH agonist (IC ₅₀ values are 0.3 and 1.5 nM and EC ₅₀ values are 3.9 and 0.1 nM at MCH-R1 and MCH-R2A receptors respectively).
Biological action	Inhibitor
Purity	>95%
Description	Potent endogenous MCH agonist

Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in water (1 mg/ml)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight	2386.84
Molecular Formula	C ₁₀₅ H ₁₆₀ N ₃₀ O ₂₆ S ₄
Sequence (one letter)	DFDMLRCMLGRVYRPCWQV Disulfide bridge - Cys7-Cys16
CAS Number	128315-56-0
PubChem identifier	24868207
InChiKey	MWLPXSMFEPHETN-QRXCLJFASA-N

References

The Melanin-Concentrating Hormone (MCH) System: A Tale of Two Peptides.

Diniz GB et al (2019) Frontiers in neuroscience 13

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Recent updates on the melanin-concentrating hormone (MCH) and its receptor system: lessons from MCH1R antagonists.

Chung S et al (2011) Journal of molecular neuroscience : MN 43

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The Melanin-Concentrating Hormone as an Integrative Peptide Driving Motivated Behaviors.

Diniz GB et al (2017) Frontiers in systems neuroscience 11

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