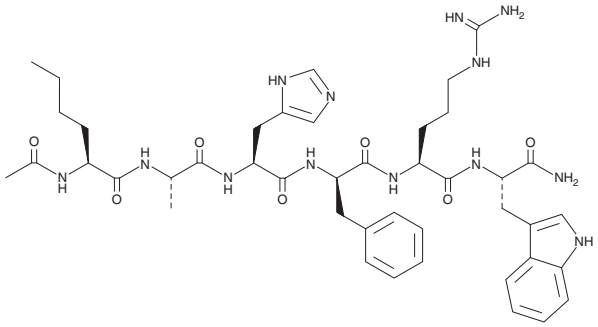
PRODUCT INFORMATION

Acetyl Hexapeptide-1

Item No. 45959

CAS Registry No.: 448944-47-6
Formal Name: N-acetyl-L-norleucyl-L-alanyl-L-histidyl-D-phenylalanyl-L-arginyl-L-tryptophanamide
Synonym: Ac-Nle-Ala-His-D-Phe-Arg-Trp-NH_2
Peptide Sequence: Ac-XAHfRW-NH_2 (where X = Nle)
MF: $C_{43}H_{59}N_{13}O_7$
FW: 870.0
Purity: ≥90%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Acetyl hexapeptide-1 is supplied as a solid. A stock solution may be made by dissolving the acetyl hexapeptide-1 in the solvent of choice, which should be purged with an inert gas. Acetyl hexapeptide-1 is sparingly soluble (1-10 mg/ml) in ethanol and DMSO.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of acetyl hexapeptide-1 can be prepared by directly dissolving the solid in aqueous buffers. Acetyl hexapeptide-1 is soluble (≥10 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Acetyl hexapeptide-1 is an oligopeptide.[1] It increases pigmentation in reconstructed epidermis composed of human melanocytes and keratinocytes seeded onto a collagen substrate when used alone at 10 nM and has a synergistic effect when used in combination with N-acetyl-L-tyrosine (Item No. 34345) and caffeine (Item No. 14118).

Reference

1. Commo, S., Sextius, P., and Xavier, M. Composition comprising at least three active agents for colouring and/or pigmenting kertain materials. *L'OREAL*, **WO2014/177406AI** (2017).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM