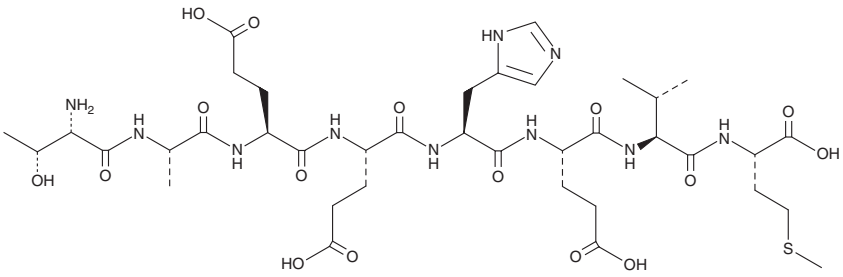
PRODUCT INFORMATION

Octapeptide-2

Item No. 45963

CAS Registry No.:	1374396-34-5
Formal Name:	L-threonyl-L-alanyl-L-α-glutamyl-L-α-glutamyl-L-histidyl-L-α-glutamyl-L-valyl-L-methionine
Synonyms:	Thr-Ala-Glu-Glu-His-Glu-Val-Met-OH
Peptide Sequence:	TAEEHEVM-OH
MF:	$C_{38}H_{60}N_{10}O_{16}S$
FW:	945.0
Purity:	≥98%
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

Octapeptide-2 is supplied as a solid. Aqueous solutions of octapeptide-2 can be prepared by directly dissolving the solid in aqueous buffers. Octapeptide-2 is sparingly soluble (1-10 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Octapeptide-2 is a cosmeceutical peptide.[1] It corresponds to the octapeptide sequence at positions 74-81 and 137-144 of the bombinin-like peptides 1 (BLP-1) precursor protein in the skin secretions of *B. orientalis*.[2]

References

1. He, Q., Liao, Y., Wu, Y., *et al*. Bioactive oligopeptides and the application in skin regeneration and rejuvenation. *J. Appl. Biomater. Funct. Mater*. (2025).
2. Gibson, B.W., Tang, D.Z., Mandrell, R., *et al*. Bombinin-like peptides with antimicrobial activity from skin secretions of the Asian toad, *Bombina orientalis*. *J. Biol. Chem*. **266(34)**, 23103-23111 (1991).

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
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