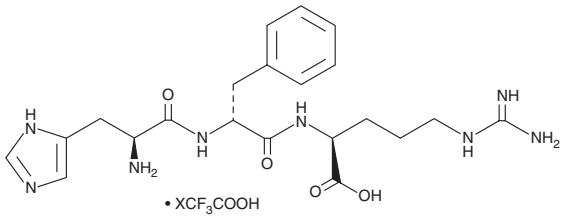
PRODUCT INFORMATION

Tripeptide-8 (trifluoroacetate salt)

Item No. 45629

Formal Name:	L-histidyl-D-phenylalanyl-L-arginine, trifluoroacetate salt
Peptide Sequence:	HfR-OH
MF:	$C_{21}H_{30}N_8O_4 \bullet XCF_3COOH$
FW:	458.5
Purity:	≥95%
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

Tripeptide-8 (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the tripeptide-8 (trifluoroacetate salt) in the solvent of choice, which should be purged with an inert gas. Tripeptide-8 (trifluoroacetate salt) is sparingly soluble (1-10 mg/ml) in 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 tripeptide-8 (trifluoroacetate salt) can be prepared by directly dissolving the solid in aqueous buffers. Tripeptide-8 (trifluoroacetate salt) is soluble (≥10 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Tripeptide-8 is a peptide. A palmitoylated derivative of tripeptide-8 amide has been used in the formation of skin-penetrating liposomes that target melanocytes *in vitro*.[1]

Reference

1. Cheng, L., Xu, J., Wang, A., *et al*. Glabridin-encapsulated liposomes targeting melanocytes through the melanocortin 1 receptor. *Colloids Surf. B Biointerfaces* **255**, 114979 (2025).

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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