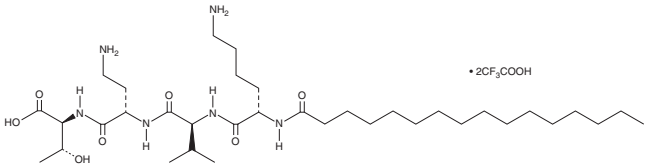
PRODUCT INFORMATION

Pal-Lys-Val-Dab-Thr-OH (trifluoroacetate salt)

Item No. 45779

CAS Registry No.: 883558-32-5
Formal Name: N^2-(1-oxohexadecyl)-L-lysyl-L-valyl-(2S)-2,4-diaminob utanoyl-L-threonine, *bis*(trifluoroacetate)
Synonyms: Palm-Lys-Val-Dab-Thr-OH, Palmitoyl Dipeptide-5 Diaminobutyroyl Hydroxythreonine
Peptide Sequence: Pal-KVXT-OH, where X = 2,4-Diaminobutanoic Acid
MF: $C_{35}H_{68}N_6O_7 \bullet 2CF_3COOH$
FW: 789.0
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

Pal-Lys-Val-Dab-Thr-OH (trifluoroacetate salt) is supplied as a solid. A stock solution may be made by dissolving the Pal-Lys-Val-Dab-Thr-OH (trifluoroacetate salt) in the solvent of choice, which should be purged with an inert gas. Pal-Lys-Val-Dab-Thr-OH (trifluoroacetate salt) is sparingly soluble (1-10 mg/ml) in DMSO.

Description

Pal-Lys-Val-Dab-Thr-OH is a bioactive peptide.[1] It increases the production of collagen IV, collagen VII, collagen XVII, and integrin β4 in HaCaT keratinocytes. Formulations containing Pal-Lys-Val-Dab-Thr-OH have been used in anti-aging and skin-firming cosmetics.

Reference

1. Ziegler, H., Imfeld, D., Stockli, M., *et al.* Cosmetic composition for stmulating the synthesis of proteins of the basement membrane. *DSM IP Assets B.V.* US008722852B2 (2014).

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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