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Produktinformation

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

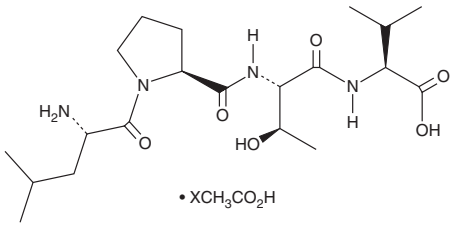
linkedin.com/company/szaboscandic

PRODUCT INFORMATION

Tetrapeptide-1 (acetate)

Item No. 41449

Formal Name:	L-leucyl-L-prolyl-L-threonyl-L-valine, acetate
Synonym:	L-Leu-L-Pro-L-Thr-L-Val-OH
Peptide Sequence:	LPTV-OH
MF:	$C_{20}H_{36}N_4O_6 \bullet XC_2H_4O_2$
FW:	428.5
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

Tetrapeptide-1 (acetate) is supplied as a solid. A stock solution may be made by dissolving the tetrapeptide-1 (acetate) in the solvent of choice, which should be purged with an inert gas. Tetrapeptide-1 (acetate) is soluble in organic solvents such as ethanol and DMSO. Tetrapeptide-1 (acetate) is soluble (≥10 mg/ml) in ethanol. Tetrapeptide-1 (acetate) 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 tetrapeptide-1 (acetate) can be prepared by directly dissolving the solid in aqueous buffers. Tetrapeptide-1 (acetate) is soluble (≥10 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Tetrapeptide-1 is a bioactive peptide.[1] Formulations containing tetrapeptide-1 have been used as ingredients in cosmetics.

Reference

1. Oshimura, E. and Sakamoto, K. Amino acids, peptides, and proteins. *Cosmetic science and technology: Theoretical principles and applications*. Sakamoto, K., Lochhead, R.Y., Maibach, H.I., *et al*., editors, 1st edition, *Elsevier* (2017).

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