



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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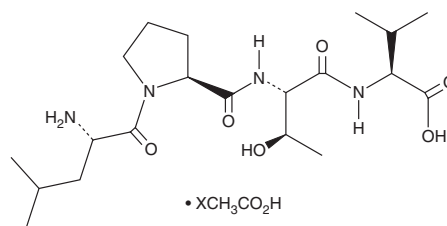
# PRODUCT INFORMATION



## 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:**  $C_{20}H_{36}N_4O_6 \cdot XC_2H_4O_2$   
**FW:** 428.5  
**Purity:**  $\geq 98\%$   
**Supplied as:** A solid  
**Storage:**  $-20^\circ\text{C}$   
**Stability:**  $\geq 4$  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 ( $\geq 10$  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 ( $\geq 10$  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.<sup>1</sup> 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, 1<sup>st</sup> edition, Elsevier (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.

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