



LKT Laboratories, Inc.

## Peptide T

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### Product Information

**Product ID** P1760

**CAS No.** 106362-32-7

**Chemical Name** N-(N-(N2-(N-(N-(N-(N-L-alanyl-L- seryl)-L-thronyl)-L-threonyl)-L-threonyl)-L-asparaginy)-L-tyrosyl)-L-Threonine

**Synonym**

**Formula** C<sub>35</sub>H<sub>55</sub>N<sub>9</sub>O<sub>16</sub>

**Formula Wt.** 857.86

**Melting Point**

**Purity** ≥98%

**Solubility** Soluble in water, DMSO.

Ala-Ser-Thr-Thr-Thr-Asn-Tyr-Thr

Product ID	Size
P1760	1 mg
P1760	5 mg

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** Peptide T is an octapeptide fragment of the V2 region of HIV-1 glycoprotein gp120. Peptide T exhibits anti-inflammatory activity, decreasing inflammation and acting as a potential treatment for psoriasis. Peptide T also inhibits HIV entry, blocking binding and infection of HIV strains that require CCR5 for entry. Peptide T also displays some neuroprotective activity, improving cognitive performance in neuroAIDS subjects.

**References** Paoletti I, De Gregorio V, Baroni A, et al. Amygdalin analogues inhibit IFN-γ signalling and reduce the inflammatory response in human epidermal keratinocytes. *Inflammation*. 2013 Dec;36(6):1316-26. PMID: 23933845.

D'ursi A, Caliendo G, Perissutti E, et al. Conformation-activity relationship of peptide T and new pseudocyclic hexapeptide analogs. *J Pept Sci*. 2007 Jun;13(6):413-21. PMID: 17486694.

Polianova MT, Ruscetti FW, Pert CB, et al. Chemokine receptor-5 (CCR5) is a receptor for the HIV entry inhibitor peptide T (DAPTA). *Antiviral Res*. 2005 Aug;67(2):83-92. PMID: 16002156.

Ruff MR, Melendez-Guerrero LM, Yang QE, et al. Peptide T inhibits HIV-1 infection mediated by the chemokine receptor-5 (CCR5). *Antiviral Res*. 2001 Oct;52(1):63-75. PMID: 11530189.

Heseltine PN, Goodkin K, Atkinson JH, et al. Randomized double-blind placebo-controlled trial of peptide T for HIV-associated cognitive impairment. *Arch Neurol*. 1998 Jan;55(1):41-51. PMID: 9443710.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.