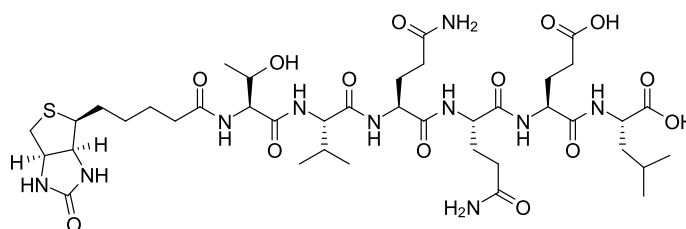


Product Data Sheet



Product number **B001**
Revision number **RN3.0**

Product Name Biotinyl-Thr-Val-Gln-Gln-Glu-Leu-OH
Synonym A25-peptide
Application Biotinylated substrate for tissue Transglutaminase
Molecular Formula C₄₀H₆₆N₁₀O₁₄S
Molecular Weight 943.08
Chemical Structure



Purity by HPLC >95 % (214 nm)

Solubility 100 µM in 0.1% (v/v) DMSO / aqueous buffers.

Pre-dissolve e.g. 5.0 mg in 53 µl DMSO (100 mM).

Take e.g. 10 µl of the 100 mM stock solution - dilute by adding 9990 µl buffer or assay components to obtain your final assay solution (100 µM).

DMSO stock solutions are sterile and can be stored at -20°C for at least 6 months.
To avoid too many freeze-thaw cycles, we strongly recommend storage of aliquots.

Appearance White shining crystals

Storage Store at -20°C, desiccate

Related products B006 Thr-Val-Gln-Gln-Glu-Leu-OH

Reference(s) Esposito *et al. Protein Sci.* **2003**, 12, 1290.
Esposito *et al. Am J Gastroenterol.* **2003**, 98, 1813.
Groenen *et al. J. Biol. Chem.* **1994**, 14, 831.
Trigwell *et al. Anal. Biochem.* **2004**, 330, 164.
Tseng *et al. J. Cell. Biochem.* **2009**, 107, 899.
Ruoppolo *et al. Prot. Sci.* **2003**, 12, 1290.
Chou *et al. J. Biol. Chem.* **2011**, 286, 27825.
Orrù *et al. J. Biol. Chem.* **2003**, 278, 31766.
Zindel *et al. PLoS One* **2016**, 11, e0149145.
Recktenwald, C. *et al. J. Biol. Chem.* **2016**, 291, 13580.

Release date 29 November 2021

NOTE INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.