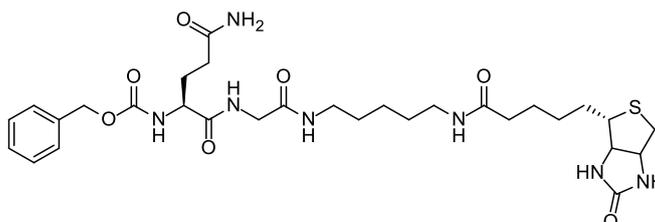


Product Number **C091**  
Revision Number **RN3.0**

**Product Name** Z-Gln-Gly-CAD-Biotin  
**Application** Glutamine donor substrate for transglutaminases  
**Molecular Formula** C<sub>30</sub>H<sub>45</sub>N<sub>7</sub>O<sub>7</sub>S  
**Molecular Weight** 647.79  
**Chemical Structure**



**Purity by HPLC** >95 % (214 nm)  
**Solubility** 40 µM in 1% (v/v) DMSO / aqueous buffers.  
Pre-dissolve e.g. 2.59 mg (4.0 µmol) in 1000 µl DMSO - dilute e.g. 20 µl of that stock solution (4 mM) with 1980 µl buffer or assay components to obtain your final assay solution (40 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 solid  
**Storage** Store at -20°C, desiccate  
**Related Products** T001 Bacterial transglutaminase highly purified  
B002 N-(Biotinyl)cadaverine  
**Reference(s)** Pasternack, R. *et al. Anal. Biochem.* **1997**, 249, 54.  
Zindel, S. *et al. PLoS One* **2016**, 11, e0149145.  
Spidel, J. *et al. Bioconjugate Chem.* **2017**, 28, 2471-2484.  
**Release date** 02 December 2021  
**NOTE** INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.