

Product number **C090**
Revision number **RN3.0**

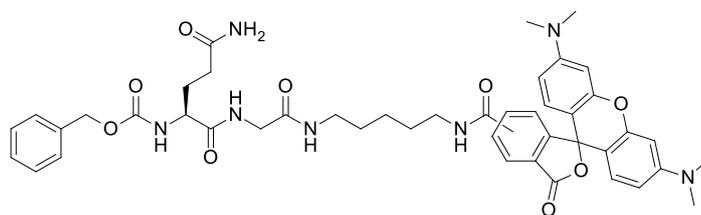
Product Name Z-Gln-Gly-CAD-TAMRA
Application Glutamine donor substrate for transglutaminase
Fluorescence $\lambda_{\text{ex}} = 547 \text{ nm}$; $\lambda_{\text{em}} = 573 \text{ nm}$ ^[1]

^[1] Aneja A. *et al. J. Biol. Phys.* **2008**, *34*, 487.

Molecular Formula C₄₅H₅₁N₇O₉

Molecular Weight 833.93

Chemical Structure



Purity by HPLC >95 % (214 nm)

Appearance Deep red solid

Storage Store at -20°C, desiccate

Solubility Dissolve e.g. the complete 25 mg (adjust to the weight given on the vial) in 299.8 μL DMSO to obtain a 100 mM stock solution. Dilution of 1:1000 in your final assay would result in 100 μM with an acceptable DMSO concentration of 0.1%.
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.

Related products T001 Bacterial transglutaminase highly purified
R001 N-(TAMRA)cadaverine

Reference(s) Spycher, P.R. *et al. ChemBioChem* **2017**, *18*, 1923-7.

Release date 02 December 2021

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