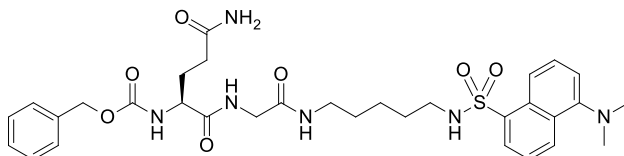


Product Data Sheet



Product number **C002**
Revision number **RN5.0**

Product Name Z-Gln-Gly-CAD-DNS
Application Fluorescent glutamine donor substrate for transglutaminases
Molecular Formula C₃₂H₄₂N₆O₇S
Molecular Weight 654.78
Chemical Structure



Purity by HPLC >95 % (214 nm)
Solubility 4 mM in DMSO/10 mM hydrochloric acid (1:9)
Pre-dissolve e.g. 10 mg (15.3 µmol) in 382 µl DMSO. Dilute e.g. 100 µl of that stock solution (40 mM) with 900 µl 10 mM hydrochloric acid to obtain a 4 mM (2.62 mg/ml) solution.
DMSO stock solutions can be stored at -15 to -25°C for at least 6 months. To avoid too many freeze-thaw cycles, we strongly recommend storage of aliquots.
Spectral properties $\lambda_{\text{Ex, max}} = 335 \text{ nm}$, $\lambda_{\text{Em, max}} = 550 \text{ nm}$ (solvent: see above)
Appearance Green crystalline solid
Storage Store at -15 to -25°C, desiccate
Related products T001 Bacterial transglutaminase highly purified
D006 N-(Dansyl)cadaverine
Reference(s) Pasternack, R. *et al. Anal. Biochem.* **1997**, 249, 54.
Jeitner, T. M. *et al. Anal. Biochem.* **2001**, 292, 198.
Release date 02 December 2021
NOTE INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.