

TNO211

Cat. No.:	HY-P5380
CAS No.:	193475-71-7
Molecular Formula:	C ₆₃ H ₈₈ N ₁₆ O ₁₄ S
Molecular Weight:	1325.54
Sequence:	{DABCYL-GABA}-Pro-Gln-Gly-Leu-Glu-{EDANS}-Ala-Lys-NH ₂
Sequence Shortening:	{DABCYL-GABA}-PQGLQ-{EDANS}-AK-NH ₂
Target:	MMP
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

TNO211 is a biological active peptide. (Matrix Metalloproteinases (MMPs) are a large family of endopeptidases. Collectively, MMPs can degrade all kinds of extracellular matrix proteins, and can also process a number of bioactive molecules. They are known to be involved in the cleavage of cell surface receptors, the release of apoptotic ligands, and chemokine/cytokine inactivation. MMPs are also thought to play a major role in cell behaviors such as cell proliferation, migration (adhesion/dispersion), differentiation, angiogenesis, apoptosis, and host defense. This peptide is a highly soluble fluorogenic MMP substrate for MMP-2, 8, 12, 13 and 14, containing the MMP cleavable Gly-Leu bond and EDANS/DABCYL. Fluorogenic assays using TNO211 are sensitive and can detect MMP activity in culture medium from endothelial cells and untreated synovial fluid from patients. Abs/Em = 340/490 nm.)

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA