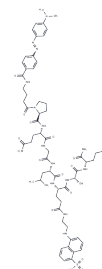


TNO211

Chemical Properties

CAS No. :	193475-71-7
Formula:	C63H88N16O14S
Molecular Weight:	1325.54
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	TNO211 is a bioactive peptide that functions as a highly soluble fluorogenic substrate for select Matrix Metalloproteinases (MMPs)—specifically MMP-2, 8, 12, 13, and 14. Incorporating a cleavable Gly-Leu bond and an EDANS/DABCYL fluorophore/quencher pair, TNO211 enables sensitive detection of MMP activity through fluorescence assays, with an absorption/emission profile at 340/490 nm. It is particularly effective in analyzing MMPs in culture media from endothelial cells as well as untreated synovial fluid from patients, highlighting its utility in investigations of MMP-associated cellular behaviors, including proliferation, migration (adhesion/dispersion), differentiation, angiogenesis, apoptosis, and host defense.
Targets(IC50)	MMP

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7544 mL	3.772 mL	7.5441 mL
5 mM	0.1509 mL	0.7544 mL	1.5088 mL
10 mM	0.0754 mL	0.3772 mL	0.7544 mL
50 mM	0.0151 mL	0.0754 mL	0.1509 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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