

## RGD peptide (GRGDNP) (TFA)

## Chemical Properties

CAS No. :

Formula: C25H39F3N10O12

Molecular Weight: 728.63

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	RGD peptide (GRGDNP) TFA functions as an inhibitor of integrin-ligand interactions, competitively blocking $\alpha 5\beta 1$ 's interaction with the extracellular matrix (ECM). It induces apoptosis by triggering conformational changes that facilitate pro-caspase-3 activation and autoprocessing. Furthermore, RGD peptide (GRGDNP) TFA is critical in regulating cell adhesion, migration, growth, and differentiation [1] [2] [3].
Targets(IC50)	Apoptosis,Integrin

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3724 mL	6.8622 mL	13.7244 mL
5 mM	0.2745 mL	1.3724 mL	2.7449 mL
10 mM	0.1372 mL	0.6862 mL	1.3724 mL
50 mM	0.0274 mL	0.1372 mL	0.2745 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

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