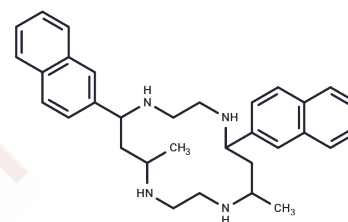


$\alpha\beta 5$ integrin-IN-2

Chemical Properties

CAS No. :	1005104-60-8
Formula:	C ₃₂ H ₄₀ N ₄
Molecular Weight:	480.69
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	$\alpha\beta 5$ integrin-IN-2 (Cpd_AV2) is an inhibitor that targets the β -propeller central pocket of ITGAV (integrin αV) and disrupts the stability of integrin heterodimers. This compound induces cellular apoptosis [1].
Targets(IC50)	Apoptosis,Integrin
In vitro	$\alpha\beta 5$ integrin-IN-2 (Cpd_AV2) diminishes the presence of integrin $\alpha\beta 5$ on the cell surface with an IC ₅₀ of approximately 6.9 μ M [1]. At a concentration of 40 μ M, $\alpha\beta 5$ integrin-IN-2 induces significant apoptosis and cell cycle arrest in MDA231 cells within 3 hours of treatment [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0803 mL	10.4017 mL	20.8034 mL
5 mM	0.4161 mL	2.0803 mL	4.1607 mL
10 mM	0.208 mL	1.0402 mL	2.0803 mL
50 mM	0.0416 mL	0.208 mL	0.4161 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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