

Ac-RGDS-NH2

Chemical Properties

CAS No. :	122207-62-9
Formula:	C17H30N8O8
Molecular Weight:	474.48
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	Ac-RGDS-NH2 is a tetrapeptide that serves as an integrin (Integrin) antagonist. It competitively binds to the GPIIb/IIIa receptor ($K_i = 4.2 \mu\text{M}$), thereby inhibiting the binding of fibrinogen to platelets, effectively reducing platelet aggregation. Ac-RGDS-NH2 is useful in thrombus research.
Targets(IC50)	Integrin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1076 mL	10.5379 mL	21.0757 mL
5 mM	0.4215 mL	2.1076 mL	4.2151 mL
10 mM	0.2108 mL	1.0538 mL	2.1076 mL
50 mM	0.0422 mL	0.2108 mL	0.4215 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.

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