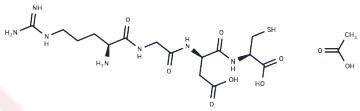
Data Sheet (Cat.No.TP1447L1)

TargetMol

Arg-Gly-Asp-Cys acetate

Chemical Properties



CAS No. :

Formula: C17H31N7O9S

Molecular Weight: 509.54

Storage: Store at low temperature,Keep away from moisture
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	Arg-Gly-Asp-Cys acetate inhibits platelet aggregation and fibrinogen binding. Arg-Gly-Asp-Cys acetate is the binding motif of fibronectin to cell adhesion molecules.
Targets(IC50)	Others
In vitro	Arg-Gly-Asp-Cys acetate-functionalizes chitosan derivatives exhibit in vitro wound healing properties by enhancing fibroblast proliferation and adhesion. Arg-Gly-Asp-Cys acetate-DAH-CMTMC favors cell growth and an increase in cellular proliferation compared to the control cells. Arg-Gly-Asp-Cys acetate immobilizes peptide onto DAH-CMTMC is found to be about 15.3 μg/mg of chitosan derivative. Arg-Gly-Asp-Cys acetate-functionalized chitosan may lead to enhanced wound healing (viability >140%) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9626 mL	9.8128 mL	19.6255 mL
5 mM	0.3925 mL	1.9626 mL	3.9251 mL
10 mM	0.1963 mL	0.9813 mL	1.9626 mL
50 mM	0.0393 mL	0.1963 mL	0.3925 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.

Reference

Patrulea V, et al. Peptide-decorated chitosan derivatives enhance fibroblast adhesion and proliferation in wound healing. Carbohydr Polym. 2016 May 20;142:114-23.

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