

Arg-Gly-Asp-Cys TFA

Chemical Properties

CAS No. : 2171504-22-4

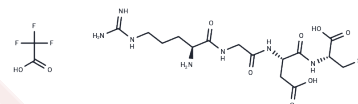
Formula: C17H28F3N7O9S

Molecular Weight: 563.51

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 | Arg-Gly-Asp-Cys TFA serves as the binding motif through which fibronectin interacts with cell adhesion molecules. This compound has the ability to hinder platelet aggregation and fibrinogen binding. |
| In vitro | Arg-Gly-Asp-Cys-functionalized chitosan (0.25-1 mg/mL; 2-7 days) enhances cell growth and proliferation, with viability surpassing 140% compared to control cells[1]. Furthermore, these chitosan derivatives effectively promote in vitro wound healing through increased fibroblast proliferation and adhesion[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.7746 mL | 8.873 mL | 17.7459 mL |
| 5 mM | 0.3549 mL | 1.7746 mL | 3.5492 mL |
| 10 mM | 0.1775 mL | 0.8873 mL | 1.7746 mL |
| 50 mM | 0.0355 mL | 0.1775 mL | 0.3549 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481