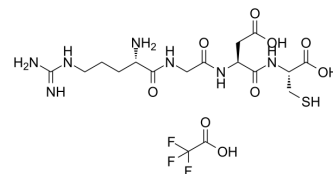


Arg-Gly-Asp-Cys TFA

Cat. No.:	HY-P0314A
CAS No.:	2171504-22-4
Molecular Formula:	C ₁₇ H ₂₈ F ₃ N ₇ O ₉ S
Molecular Weight:	563.51
Sequence Shortening:	RGDC
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 250 mg/mL (443.65 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM	1.7746 mL	8.8730 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		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS					
	Solubility: 100 mg/mL (177.46 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Arg-Gly-Asp-Cys TFA is the binding motif of fibronectin to cell adhesion molecules. Arg-Gly-Asp-Cys TFA can inhibit platelet aggregation and fibrinogen binding ^[1] .
In Vitro	Arg-Gly-Asp-Cys-functionalized chitosan (0.25-1 mg/mL; 2-7 days) favors cell growth and an increase in cellular proliferation compared to the control cells (viability >140%) ^[1] . Arg-Gly-Asp-Cys-functionalized chitosan derivatives exhibit in vitro wound healing properties by enhancing fibroblast proliferation and adhesion ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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