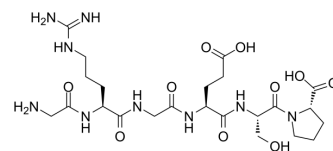


## GRGESP

Cat. No.:	HY-P3524
CAS No.:	99896-88-5
Molecular Formula:	C <sub>23</sub> H <sub>39</sub> N <sub>9</sub> O <sub>10</sub>
Molecular Weight:	601.61
Sequence Shortening:	GRGESP
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<sub>2</sub>O : 50 mg/mL (83.11 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.6622 mL	8.3110 mL	16.6221 mL
	5 mM		0.3324 mL	1.6622 mL	3.3244 mL
	10 mM		0.1662 mL	0.8311 mL	1.6622 mL

Please refer to the solubility information to select the appropriate solvent.

## BIOLOGICAL ACTIVITY

### Description

GRGESP is a collagen gel contraction inhibitor. GRGESP inhibits the spreading of human fibroblasts inside collagen gels and markedly decreased gel contraction. GRGDSP can be used for the research of connective tissue morphogenesis<sup>[1]</sup>.

### In Vitro

GRGESP inhibits the spreading of human fibroblasts inside collagen gels and markedly decreased gel contraction<sup>[1]</sup>. GRGDSP inhibits cell spreading on collagen-coated surfaces<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. F. Grinnell, et al. The collagen recognition sequence for fibroblasts depends on collagen topography. Exp Cell Res. 1989 Jun;182(2):668-72.

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

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