

VPLSLYSG

Cat. No.:	HY-P4574
CAS No.:	425632-67-3
Molecular Formula:	C ₃₉ H ₆₂ N ₈ O ₁₂
Molecular Weight:	834.96
Sequence:	Val-Pro-Leu-Ser-Leu-Tyr-Ser-Gly
Sequence Shortening:	VPLSLYSG
Target:	MMP
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	VPLSLYSG is an octapeptide that can be degraded by matrix metalloproteinase-9 (MMP-9), MMP-1 and MMP-2. VPLSLYSG has potential applications in MMP substrates ^{[1][2][3]} .
--------------------	--

REFERENCES

- [1]. Suzuki H, et al. Accurate targeting of activated macrophages based on synergistic activation of functional molecules uptake by scavenger receptor and matrix metalloproteinase. ACS Chem Biol. 2008 Aug 15;3(8):471-9.
- [2]. Patterson J, et al. Enhanced proteolytic degradation of molecularly engineered PEG hydrogels in response to MMP-1 and MMP-2. Biomaterials. 2010 Oct;31(30):7836-45.
- [3]. Wieduwild R, et al. Assembling and decorating hyaluronan hydrogels with twin protein superglues to mimic cell-cell interactions. Biomaterials. 2018 Oct;180:253-264.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA