

WAAG-3R TFA

Cat. No.:	HY-P5419A	
Molecular Formula:	C ₆₉ H ₁₀₉ N ₂₃ O ₂₄ .xC ₂ HF ₃ O ₂	
Sequence:	{Abz}-Thr-Glu-Gly-Glu-Ala-Arg-Gly-Ser-Val-Ile-{Dpa}-Lys-Lys-NH ₂	
Sequence Shortening:	{Abz}-TEGEARGSVI-{Dpa}-KK-NH ₂	{Abz}-Thr-Glu-Gly-Glu-Ala-Arg-Gly-Ser-Val-Ile-{Dpa}-Lys-Lys-NH ₂ (TFA salt)
Target:	Others	
Pathway:	Others	
Storage:	Sealed storage, away from moisture and light, under nitrogen	
	Powder -80°C 2 years	
	-20°C 1 year	
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)	

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 12.5 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	WAAG-3R TFA is a biological active peptide. (Aggrecanases belong to the ADAMTS (A disintegrin and metalloprotease with thrombospondin motif) family of proteases. Aggrecanases cleave aggrecan, the major structural component of cartilage. Aggrecanase-1 (ADAMTS-4) is a major aggrecanase in human osteoarthritic cartilage. This FRET peptide was used in an ADAMTS-4 (Aggrecanase-1) assay. Ex/Em = 340/420 nm.) ^[1] .
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REFERENCES

[1]. De Savi C, et al. The design and synthesis of novel N-hydroxyformamide inhibitors of ADAM-TS4 for the treatment of osteoarthritis[J]. Bioorganic & medicinal chemistry letters, 2011, 21(5): 1376-1381.

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

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