

Tetanus toxin (830-843) (TFA)

Cat. No.:	HY-P1754A	
Molecular Formula:	C ₇₆ H ₁₁₉ F ₃ N ₁₈ O ₂₄	
Molecular Weight:	1725.86	
Sequence:	Gln-Tyr-Ile-Lys-Ala-Asn-Ser-Lys-Phe-Ile-Gly-Ile-Thr-Glu	QYIKANSKFIGITE (TFA salt)
Sequence Shortening:	QYIKANSKFIGITE	
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

H₂O : 18.18 mg/mL (10.53 mM; Need ultrasonic)

Solvent	Mass Concentration	1 mg	5 mg	10 mg
		1 mM	0.5794 mL	2.8971 mL
	5 mM	0.1159 mL	0.5794 mL	1.1588 mL
	10 mM	0.0579 mL	0.2897 mL	0.5794 mL

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

BIOLOGICAL ACTIVITY

Description

Tetanus toxin (830-843) TFA is a powerful neurotoxin that reaches by retroaxonal transport and transcytosis the cytoplasm of spinal inhibitory interneurons and blocks their ability to release neurotransmitters^[1].

REFERENCES

[1]. Diethelm-Okita BM, et al. Epitope repertoire of human CD4+ T cells on tetanus toxin: identification of immunodominant sequence segments. J Infect Dis. 1997 Feb;175(2):382-91.

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

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