

[Arg8]-Vasotocin TFA

Cat. No.:	HY-P1574A	
Molecular Formula:	$C_{45}H_{68}F_3N_{15}O_{14}S_2$	
Molecular Weight:	1164.24	
Sequence:	Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Arg-Gly-NH ₂ (Disulfide bridge: Cys1-Cys6)	CYIQNCPRG-NH ₂ (Disulfide bridge: Cys1-Cys6) (TFA salt)
Sequence Shortening:	CYIQNCPRG-NH ₂ (Disulfide bridge: Cys1-Cys6)	
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 : 50 mg/mL (42.95 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		0.8589 mL	4.2946 mL	8.5893 mL
	5 mM		0.1718 mL	0.8589 mL	1.7179 mL
	10 mM		0.0859 mL	0.4295 mL	0.8589 mL

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

BIOLOGICAL ACTIVITY

Description

[Arg8]-Vasotocin (TFA) is a vertebrate neurohypophyseal peptide of the vasopressin/oxytocin hormone family^[1].

In Vitro

[Arg8]-Vasotocin occurs throughout the vertebrate phyla, being present in primitive fish, the cyclostomes, and remaining unchanged in vertebrates up to and including birds^[1].

[Arg8]-Vasotocin excites neurones in the dorsal vagal complex in vitro^[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ingram CD, et al [Arg8]vasotocin excites neurones in the dorsal vagal complex in vitro: evidence for an action through novel class(es) of CNS receptors. J Neuroendocrinol. 1994 Aug;6(4):415-22.

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

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