

## [Arg8]-Vasotocin TFA

<b>Cat. No.:</b>	HY-P1574A		
<b>Molecular Formula:</b>	C <sub>45</sub> H <sub>68</sub> F <sub>3</sub> N <sub>15</sub> O <sub>14</sub> S <sub>2</sub>		
<b>Molecular Weight:</b>	1164.24		
<b>Sequence:</b>	Cys-Tyr-Ile-Gln-Asn-Cys-Pro-Arg-Gly-NH <sub>2</sub> (Disulfide bridge: Cys1-Cys6)	CYIQNCPRG-NH <sub>2</sub> (Disulfide bridge: Cys1-Cys6) (TFA salt)	
<b>Sequence Shortening:</b>	CYIQNCPRG-NH <sub>2</sub> (Disulfide bridge: Cys1-Cys6)		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	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 (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<sup>[1]</sup>.

#### 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<sup>[1]</sup>.

[Arg8]-Vasotocin excites neurones in the dorsal vagal complex in vitro<sup>[2]</sup>.

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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