

## (Phe2,Orn8)-Oxytocin acetate

Cat. No.:	HY-P4678A
Molecular Formula:	C <sub>44</sub> H <sub>69</sub> N <sub>13</sub> O <sub>13</sub> S <sub>2</sub>
Molecular Weight:	1052.23
Sequence:	Cys-Phe-Ile-Gln-Asn-Cys-Pro-{Orn}-Gly-NH <sub>2</sub> (Disulfide bridge: Cys1-Cys6)
Sequence Shortening:	CFIQNCP-{Orn}-G-NH <sub>2</sub> (Disulfide bridge: Cys1-Cys6)
Target:	Vasopressin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

(Phe2,Orn8)-Oxytocin acetate is a selective V1 vasopressin agonist. (Phe2,Orn8)-Oxytocin acetate induces a sustained contractility of rabbit epididymis with EC<sub>50</sub> value of 280 nM<sup>[1]</sup>.

### REFERENCES

[1]. Sandra Filippi, et al. Estrogens, But Not Androgens, Regulate Expression and Functional Activity of Oxytocin Receptor in Rabbit Epididymis. *Endocrinology*. 2002, 4271-4280.

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

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