

## Orexin A (human, rat, mouse)

Cat. No.:	HY-106224
CAS No.:	205640-90-0
Batch No.:	272904
Chemical Name:	L-Leucinamide, 5-oxo-L-prolyl-L-prolyl-L-leucyl-L-prolyl-L- $\alpha$ -aspartyl-L-cysteinyl-L-cysteinyl-L-arginyl-L-glutaminyl-L-lysyl-L-threonyl-L-cysteinyl-L-seryl-L-cysteinyl-L-arginyl-L-leucyl-L-tyrosyl-L- $\alpha$ -glutamyl-L-leucyl-L-leucyl-L-histidylglycyl-L-alanyl-glycyl-L-asparaginyl-L-histidyl-L-alanyl-L-alanyl-glycyl-L-isoleucyl-L-leucyl-L-threonyl-, cyclic (6 $\rightarrow$ 12),(7 $\rightarrow$ 14)-bis(disulfide)

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>152</sub> H <sub>243</sub> N <sub>47</sub> O <sub>44</sub> S <sub>4</sub>
Molecular Weight:	3561.10
Storage:	Sealed storage, away from moisture Powder            -80°C     2 years -20°C     1 years * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### Chemical Structure:

([ap]PLPDCGRKTCRRLYELHGAGNKAAGLTLNF) (Disulfide bridge: Cys<sup>6</sup>-Cys<sup>12</sup>, Cys<sup>7</sup>-Cys<sup>14</sup>)

### ANALYTICAL DATA

Appearance:	White to off-white (Solid)
LCMS:	Consistent with structure
Purity (LCMS):	99.67%
Conclusion:	The product has been tested and complies with the given specifications.

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

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