

Orexin A (human, rat, mouse) (acetate)

Cat. No.: HY-106224B
Batch No.: 234258
Chemical Name: L-Leucinamide, 5-oxo-L-prolyl-L-prolyl-L-leucyl-L-prolyl-L- α -aspartyl-L-cysteinyl-L-cysteinyl-L-arginyl-L-glutamyl-L-lysyl-L-threonyl-L-cysteinyl-L-seryl-L-cysteinyl-L-arginyl-L-leucyl-L-tyrosyl-L- α -glutamyl-L-leucyl-L-leucyl-L-histidylglycyl-L-alanyl-glycyl-L-asparagyl-L-histidyl-L-alanyl-L-alanyl-glycyl-L-isoleucyl-L-leucyl-L-threonyl-, cyclic (6 \rightarrow 12),(7 \rightarrow 14)-bis(disulfide) (acetate)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{152}H_{243}N_{47}O_{44}S_4 \cdot xC_2H_4O_2$
Storage: Sealed storage, away from moisture and light, under nitrogen
Powder -80°C 2 years
-20°C 1 year
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

Chemical Structure:

(Glp)-PLPDCCRQKTCSCRLYELLHGAGNHAAGILT-L-NH₂
(Disulfide bridge: Cys₈-Cys₁₂, Cys₇-Cys₁₄) (acetate)

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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