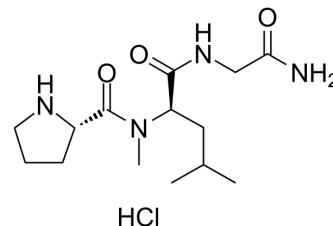


Pareptide monohydrochloride

Cat. No.:	HY-U00271
CAS No.:	63236-23-7
Molecular Formula:	C ₁₄ H ₂₇ ClN ₄ O ₃
Molecular Weight:	334.84
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Pareptide monohydrochloride is a melanotropin-inhibiting factor (MIF) metabolically stable analogue.
In Vivo	Chronic coadministration of Pareptide (0.25 mg/kg, SC, BID, 3.5 days) to mice pretreated with Haloperidol (8.0 mg/kg, IP, BID, 3 days) significantly increases the cataleptic effects of a smaller challenge dose of Haloperidol (2.0 mg/kg, IP) given 15 hours after the last pretreatment injections ($p < 0.01$) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

PROTOCOL

Animal Administration ^[1]	Mice ^[1] Male albino mice of a Swiss-Webster derived strain and weighing from 26-34 g are used. Single doses of MIF-I (0.03-2.0 mg/kg, SC) and chronic pretreatments with MIF-I (0.03-2.0 mg/kg, SC, BID, 3.5 days) or Pareptide (0.25 mg/kg, SC, BID, 3.5 days) do not affect the acute cataleptic response to Haloperidol in the mouse. Pareptide is given SC in a 5 mL/kg injection volume. Chronic pretreatment with Haloperidol (8.0 mg/kg, IP, BID, 3 days) decreases the duration of catalepsy in mice given smaller challenge doses of Haloperidol (2.0 or 3.0 mg/kg, IP) 15 hours after the last pretreatment injections. Administration of either MIF-I or Pareptide to mice also chronically pretreated with Haloperidol antagonizes the development of tolerance ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
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REFERENCES

[1]. Mycroft FJ, et al. Pro-Leu-Gly-NH₂ and Pareptide inhibit development of tolerance to Haloperidol catalepsy in the mouse. Peptides. 1984 Sep-Oct;5(5):883-7.

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

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