

SUPPLEMENTARY DATA

Supplementary Table 1. PCR Primers

mRNA	Primers
POMC	Sense: 5'-CCCAACGTTGCTGAGAACGAGTCG-3' Antisense: 5'-GGAGGTCATGAAGCCACCGTAACG-3'
CART	Sense: 5'-AGAGTAAACGCATTCCGATCTACGA-3' Antisense: 5'-TCCTCACTGCGCACTGCTCT-3'
NPY	Sense: 5'-CTGACCCTCGCTCTATCTCTG-3' Antisense: 5'-AGTATCTGGCCATGTCCTCTG-3'
AgRP	Sense: 5'-TTGTGTTCTGCTGTTGGCACT-3' Antisense: 5'-AGCAAAAGGCATTGAAGAAGC-3'
GAPDH	Sense: 5'-TGCACCACCAACTGCTTAGC-3' Antisense: 5'-GGATGCAGGCATGATGTTCTG-3'

Supplementary Table 2. Body weight changes in the experiment on the effect of CNP on food intake in refeeding following 48-hr fasting.

Treatment	No. of mice	Changes of body weight (g)
Saline	(13)	1.8 ± 0.2
CNP-22 0.5 nmol	(8)	1.0 ± 0.3
1.5 nmol	(13)	1.2 ± 0.2
4.5 nmol	(12)	1.4 ± 0.2
CNP-53 0.5 nmol	(8)	1.4 ± 0.3
1.5 nmol	(15)	0.7 ± 0.2 **

Data represent mean ± SEM. Significant difference: ** p < 0.01.

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Supplementary Table 3. Body weight changes in the experiment on the effect of CNP on nocturnal food intake.

Treatment	No. of mice	Changes of body weight (g)
Saline	(7)	0.8 ± 0.3
CNP-22	(8)	0.2 ± 0.4
CNP-53	(9)	0.3 ± 0.2

Data represent mean ± SEM.

Supplementary Figure 1. Effects of icv administration of CNP-53 (1.5 nmol/mouse) on mRNA expressions of (A) POMC, (B) CART, (C) NPY and (D) AgRP in the hypothalamus. The hypothalamus was collected at the end of the experiment to examine the effect of CNP-53 on food intake in refeeding following 48-hr fasting. Data represent mean ± SEM. The number of mice is given in parentheses. Significant differences: * p < 0.05, ** p < 0.01.

