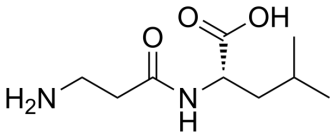
Excitin 1

Cat. No.:	HY-P4708
CAS No.:	17136-25-3
Molecular Formula:	$C_9H_{18}N_2O_3$
Molecular Weight:	202.25
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Excitin 1 is an orally active and CNS-penetrated peptide, alters behavior and brain monoamine and amino acid concentrations in rats[1].
In Vitro	Excitin-1 increases motor behavior, increasing the distance of path and number of rearings in the open field. Excitin-1 influences some monoamine and amino acid levels in the cerebral cortex and hypothalamus. Following oral administration, Excitin-1 can be detected in the cerebral cortex, hypothalamus, hippocampus and olfactory bulb. In the plasma, Excitin-1 and its metabolites β-alanine and L-leucine are recorded. The present study demonstrated that Excitin-1 is incorporated in the brain and promoted behavioral changes in rats[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yousuke Tsuneyoshi, et al. Oral administration of Excitin-1 (beta-alanyl-L-leucine) alters behavior and brain monoamine and amino acid concentrations in rats. Nutr Neurosci. 2009 Aug;12(4):175-82.

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