

LAGIPRA peptide

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	LAGIPRA peptide is a long-acting agonist of GIP1R. It improves insulin sensitivity by enhancing glucose handling and reduces circulating branched-chain amino acids (BCAA) and keto acids. LAGIPRA peptide holds potential for research in type 2 diabetes.
Targets(IC50)	IGF-1R
In vivo	The LAGIPRA peptide, administered at 1000 nmol/kg subcutaneously, reduced hyperglycemia in GIP-1r ^{-/-} mice during an intraperitoneal glucose tolerance test but had no effect on GIPr ^{-/-} animals. At a dose of 300 nmol/kg subcutaneously, given once daily for 14 days, it slightly affected body weight (reducing it by 4%) and temporarily (within the initial 24-48 hours) reduced food intake, fasting glucose, and insulin levels.

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