

Non-peptidic Glucagon-like Peptide-1 Receptor Agonists

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ABSTRACT

The present invention provides novel compounds, which specifically bind with GLP-1R and which have beneficial effects as therapeutics for diabetes and other metabolic diseases. The present invention also describes the process of synthesis of said novel compound and its ability to bind with GLP-1R.

KEY APPLICATION AREAS

- 1.Diabetes therapeutics.
- 2.Metabolic disease treatment.
- 3.GLP-1 receptor-targeted drug development.
- 4.Obesity management.
- 5.Non-alcoholic fatty liver disease (NAFLD).
- 6.Cardiometabolic therapeutics.

POTENTIAL USES

- 1.Treatment of diabetes and insulin resistance.
- 2.Protection and regeneration of pancreatic β -cells.
- 3.Improving insulin secretion and glucose control.
- 4.Reducing hepatic lipid accumulation (fatty liver).
- 5.Management of obesity and metabolic dysfunction.
- 6.Development of non-peptide GLP-1 receptor agonist drugs.