

BI 456906

Cat. No.:	HY-P3470
CAS No.:	2477737-80-5
Target:	GCGR
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BI 456906

BIOLOGICAL ACTIVITY

Description	BI 456906 is a dual-acting agonist of glucagon-like peptide 1 (GLP-1) receptor and glucagon receptor. BI 456906 can be used for the research of obesity and non-alcoholic steatohepatitis (NASH) ^{[1][2]} .
In Vitro	BI 456906 potentiates glucose-stimulated insulin secretion from rodent and perfused human islets and potently inhibits glycogen synthesis ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	BI 456906 reduces food intake, gastric emptying, and improvements in oral glucose tolerance in dose-dependent in single administration to lean mice ^[2] . BI 456906 led to bodyweight-lowing in DIO mice ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. John J Nestor, et al. Effects of ALT-801, a GLP-1 and glucagon receptor dual agonist, in a translational mouse model of non-alcoholic steatohepatitis. Sci Rep. 2022 Apr 23;12(1):6666.

[2]. R. Augustin, et al. Bi 456906, structural properties and pharmacology of the novel glucagon and glucagon-like peptide-1 receptor (GCGR/GLP-1R) dual agonist. Session E - SO 41 Incretins: basic science.

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

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