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Basic Study

Pharmacological inhibition of DGAT1 and insights into postprandial gut peptide secretion

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Abstract

AIM: To examine the role that enzyme Acyl-CoA:diacylglycerol acyltransferase-1 plays in postprandial gut peptide secretion and signaling.

METHODS: The standard experimental paradigm utilized to evaluate the incretin response was a lipid challenge. Following a lipid challenge, plasma was collected via cardiac puncture at each time point from a cohort of 5-8 mice per group from baseline at time zero to 10 hours. Incretin hormones (GLP-1, PYY and GIP) were then quantitated.

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