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GLP-1 Mimetics

National Cancer Institute

Source

National Cancer Institute. *GLP-1 Mimetics*. NCI Thesaurus. Code C98085.

Any of the analogues of the endogenous gastrointestinal hormone glucagon-like peptide-1 (GLP-1) with antihyperglycemic activity. GLP-1 mimetics mimic the activity of GLP-1 and thereby stimulate glucose-dependent secretion of insulin from pancreatic beta cells, suppress glucagon secretion from alpha cells, increase insulin sensitivity and inhibit gastric emptying thereby slowing absorption of nutrients and creating a satiating effect. Altogether, this lowers blood glucose levels. GLP-1 is rapidly inactivated by the enzyme dipeptidyl peptidase-4 (DPP-4).