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Davalintide

National Cancer Institute

Source

National Cancer Institute. *Davalintide*. NCI Thesaurus. Code C83650.

A second-generation, 32-amino acid peptide analogue of human amylin with antihyperglycemic activity. By mimicking amylin, davalintide, which has a half-life similar to amylin, slows gastric emptying, inhibits digestive secretions (gastric acid, pancreatic enzymes, and bile), reduces glucagon secretion, and increases satiety. These actions result in a decrease in blood glucose levels. Furthermore, davalintide exhibits high affinity binding to amylin, calcitonin and calcitonin-related peptide receptors. Compared to amylin, davalintide shows a prolonged duration of action due to its slowed receptor dissociation.