



Feiolix vs Ozempic – Understanding the mechanism

	Feiolix	Ozempic
What is it?	Feijoa whole fruit powder	Synthetic GLP-1
Mode of Action	<p>Dual Pathways:</p> <p>Contains the highest concentration of naturally occurring abscisic acid in nature to stimulate secretion of native GLP-1</p> <p>Contains dietary fibres (xyloglucans and xylans) that promote the growth of bacteria in the microbiome that trigger GLP-1 secretion.</p>	Ozempic® acts as a GLP-1 receptor agonist that selectively binds to and activates the GLP-1 receptor, the target for native GLP-1. Ozempic® lowers fasting and postprandial blood glucose by stimulating insulin secretion in a glucose-dependent manner.
Benefits	<ul style="list-style-type: none"> Increasing insulin secretion from pancreatic β cells Enhancing glucose absorption by skeletal muscle cells Regulating metabolism by decreasing inflammation and increasing GLP-1 secretion Increasing satiety Increasing postprandial (post-meal) thermogenesis reducing weight gain 	Helps lower blood sugar levels, potential to help manage weight
Absciscic Acid vs GLP-1	<ul style="list-style-type: none"> Binds directly to muscle cells increasing glucose disposal and thermogenesis Binds directly to adipose tissue where it increases the number of mitochondria (turning white fat to brown fat) and increasing glucose disposal and thermogenesis Binds to regions in the hypothalamus (the central nervous system's metabolic control centre), where it decreases inflammation, decreases neuropathic pain, and increases satiety 	Does not have these added pathway benefits as Ozempic is only a synthetic form of GLP-1
Dosage	2300 mg a day in a powder/tablet format	x1 Injection a week
Who is it for?	Feiolix is for those interested in naturally supporting healthy blood sugar levels and a healthy metabolism by targeting their body's own GLP-1 mechanisms. Feiolix could help prevent weight gain and support healthy pancreatic and endocrine function, especially for those wanting to transition off a weight loss program.	Diabetics
Composition	Natural, whole fruit powder standardized to >4 mg/100 g abscisic acid	Synthetic
Availability	Natural product available as a dietary supplement, functional food, or beverage	Prescribed by a doctor

Citations:

1. Bruzzone S, Magnone M, Mannino E, Sociali G, Sturla L, Fresia C, et al. (2015) Absciscic Acid Stimulates Glucagon-Like Peptide-1 Secretion from L-Cells and Its Oral Administration Increases Plasma Glucagon-Like Peptide-1 Levels in Rats. PLoS ONE 10(10): e0140588. doi:10.1371/journal.pone.0140588
2. Bruzzone S, Ameri P, Briatore L, Mannino E, Basile G, Andraghetti G, et al. The plant hormone abscisic acid increases in human plasma after hyperglycemia and stimulates glucose consumption by adipocytes and myoblasts. FASEB J (2012) 26(3):1251–60. doi:10.1096/fj.11-190140



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