

Diabetes Drugs

Drug Type	Names	Route	Onset [^]	Peak [^]	Dur [^]	AEs	Type	MOA	
Short/Rapid	Lisp.		S C or P U M P	<1	~1-2	~2-5	Hypoglycemia CNS (LOC, seizure, coma, headache, death) PNS (SNS stimulation SEs)	I	See slides
	Asp.			‘	‘	‘			
	Glul.			‘	‘	‘			
Short/Slower	Reg	IV	‘	2-4	5-12				
Interm	NPH	SC	1-2	6-12	~18-24				
	Demetir		‘	/	‘				
Long	Glargine		‘	/	‘				

[^] = roughly

Drug Type	Names	Route	AEs	Type	MOA
Insulin Secretion Increaseers or Helpers					
Pramlintide	Symlin ®	SC	No mix w/ Ins. Before meal. 15 → 60 wg (max); watch nausea. Interacts w/ P.O.s (shift 1 hr). Hypo + Nausea. Insx1/2.	I&II*	Amylin-like → helps Ins.
Sulfonylureas	-mides, -zides, -rides (Glyburide; Preg OK), -nides (nonsulfas)	P.O.s	Hypoglycemia, no pregnancy, hepatotoxicity, nausea, vomiting, rashes.	II	Prev re-pol of B cells → Inc Ins secretion

Resistance Affectors

Drug Type	Name	Route	Uses	AEs	Type	MOA
Biguanides	Metformin	P.O.s	Mono or w/ glita or sulf (Inc hypogl w/ sulf)	Inc lactic acidosis (if renal\$ prob), hepatic dysf, metallic taste, No hypogl or weight gain (if mono).	II	Acts like Ins, exact MOA not clear, but does NOT bind to receptors.
Thiazolidinediones	Glitazones	P.O.s	Mono or w/ sulf, met or Ins.	No hypogl (if mono), test enzymes (recent recall#), edema → Inc CHF, resumption ovulation & BCP interactions.	II	Improves Ins sensitivity (PPAR-gamma, trans factor). “Ins. Sensitizers.”

More Drugs

Alpha-Glucosidase Inhibitors	Ascarabose, Migitol	P.O.s	Adjunct	Gas (b/c more carbs for bacteria) Diarrhea (b/c Osm Pressure)	I&II	Inhibits Disacch → Monos for absorption.
Exenatide	Byetta ®	SC	I hr before meal. W/ sulf, met, glita. NO nides, alpha-g’s.	Interacts w/ P.O.’s; shift my 1 hr. Hypogl w/ sulf., OK w/ metf. Nausea, vomiting, diarrhea, Preg C.	II	Like GLP-1. PROTEIN!
DPP-4 Inhibitors	Sitagliptin, Junuvia ®	P.O.s	Mono or w/ meta, glita.	No hypogl in mono. One dose/day.	II	Inhibit degradation of incretins s.a. GLP-1.

* If 4 II, use as adjunct to insulin. OK w/ sulfa or metf. Don’t use w/ glita. 60 → 120 wg (max); watch nausea.

\$ Renal impairment possible if elderly, diabetic, receiving radiology.

Rosaglitazone: Inc heart attacks, “black box,” by FDA, no conclusion at this time.