Mouse model of diabetic neuropathy and nephropathy

Key benefits
- A tailor-made type 2 diabetic animal model that mimics human development of type 2 diabetes and associated diabetic neuropathy and nephropathy progression.
- Demonstrate the benefits of your drug on both peripheral/autonomic nervous system nerves and kidneys, an additional benefit for diabetic patients.

ANIMAL MODEL
- Background strain: DIO C57Bl6/J mice
- Gender/Weight: male, ~40-45g
- 60% High Fat Diet
- Time on diet: from 6 weeks to 22 weeks of age, 16 weeks under HFD
- Type 2 diabetes induction: streptozotocin (STZ), low dose, QD, 4 days

Diabetic neuropathy and nephropathy characterisation

1 – DIO+STZ MICE ARE STRONGLY HYPERGLYCEMIC

2 – DIO+STZ MICE HAVE BOTH INTESTINAL AND PERIPHERAL NEUROPATHY

2 – DIO+STZ MICE SHOW DIABETIC NEPHROPATHY

Physiogenex provides a unique mouse model of diabetic neuropathy and nephropathy to test your compounds targeting both comorbidities.