



Nasdaq: VTVT

# Improving the Lives of Millions of Patients with Type 1 Diabetes

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## vTv Value Proposition

- 1.6 million people in the US have type 1 diabetes
  - Growing at a rate of 2.9% annually
  - ~80% of patients fail to achieve adequate blood glucose control
- Phase 3-ready asset in *cadisegliatin* – an adjunct therapy for T1D patients to improve glycemic control while reducing the risk of hypoglycemia
- *Cadisegliatin* received Breakthrough Designation status with the FDA



# Leadership Builds upon Decades of Life Sciences Expertise



**Paul Sekhri**  
President & CEO



**Carmen Valcarce, PhD**  
Chief Scientific Officer



**Thomas Strack, MD**  
Chief Medical Officer



**Steven Tuch**  
Chief Financial Officer



**Rich Nelson**  
Head Corporate Development



**Martin Lafontaine**  
Commercial Consultant



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## Key Recent Developments

- Successful \$51 million PIPE investment to fund first Phase 3 trial
- Building out team
  - Hired Thomas Strack, Chief Medical Officer
  - Additional staffing anticipated in first half of 2024
- Finalized plans for first Phase 3 clinical trial
  - Protocol submitted to the FDA in February 2024
  - We expect patient recruitment to start in 2Q 2024

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## Financing

- \$51 million raised through the sale of a combination of common stock and prefunded warrants
- Combined with cash on hand, the capital raised will fund the first Phase 3 clinical trial for *cadisegliatin*
- Subject to certain conditions, investors can purchase up to an additional \$30 million of common stock the earlier of 18 months following the closing of the PIPE or when the company has an estimated 60 days of remaining cash
- Evaluating ways to generate additional opportunities within our current pipeline

# Hypoglycemia: The Plague of Type 1 Diabetes

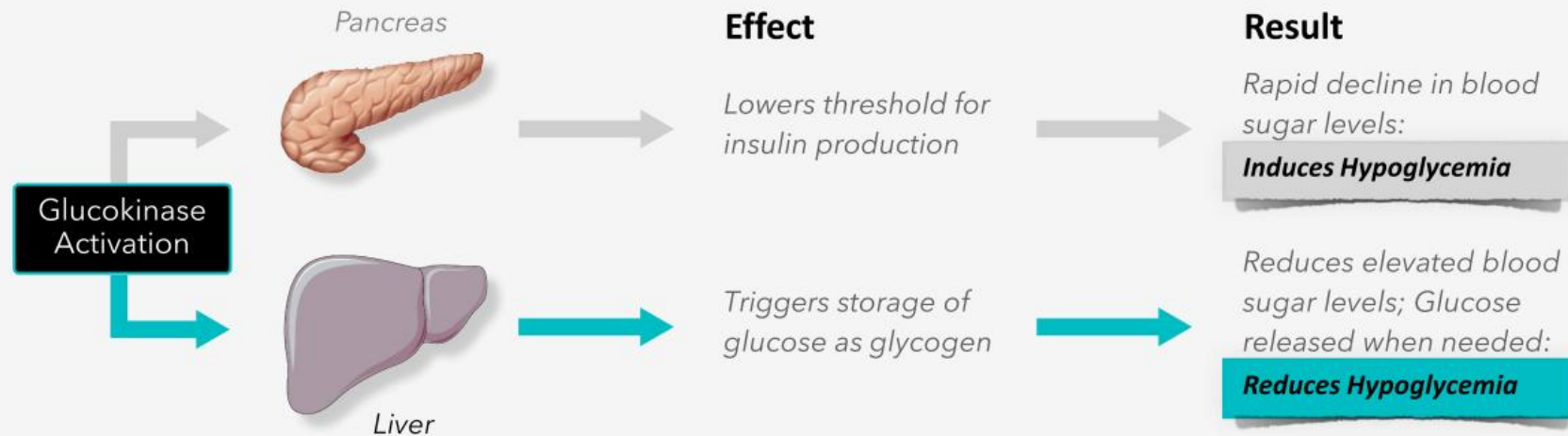


1. Cariou B, Fontaine P, Eschwege E, Lièvre M, et al. Frequency and predictors of confirmed hypoglycaemia in type 1 and insulin-treated type 2 diabetes mellitus patients in a real-life setting: results from the DIALOG study. *Diabetes Metab.* 2015 Apr;41(2):116-25 and Khunti K, Alsifri S, Aronson R, Cigrovski Berković M, et al; HAT Investigator Group. Rates and predictors of hypoglycaemia in 27,585 people from 24 countries with insulin-treated type 1 and type 2 diabetes: the global HAT study. *Diabetes Obes Metab.* 2016 Sep;18(9):907-15.
2. Foster NC, Beck RW, Miller KM, Clements MA, et al. State of Type 1 Diabetes Management and Outcomes from the T1D Exchange in 2016-2018. *Diabetes Technol Ther.* 2019.
3. dQ&A Market Research 2019.
4. Peyrot M, Barnett AH, Meneghini LF, Schumm-Draeger PM. Insulin adherence behaviours and barriers in the multinational Global Attitudes of Patients and Physicians in Insulin Therapy study. *Diabet Med.* 2012 May;29(5):682-9. doi: 10.1111/j.1464-5491.2012.03605.x. PMID: 22313123; PMCID: PMC3433794



# ***Cadisegliatin* is the First Liver-Selective Glucokinase Activator to Reach Phase 3**

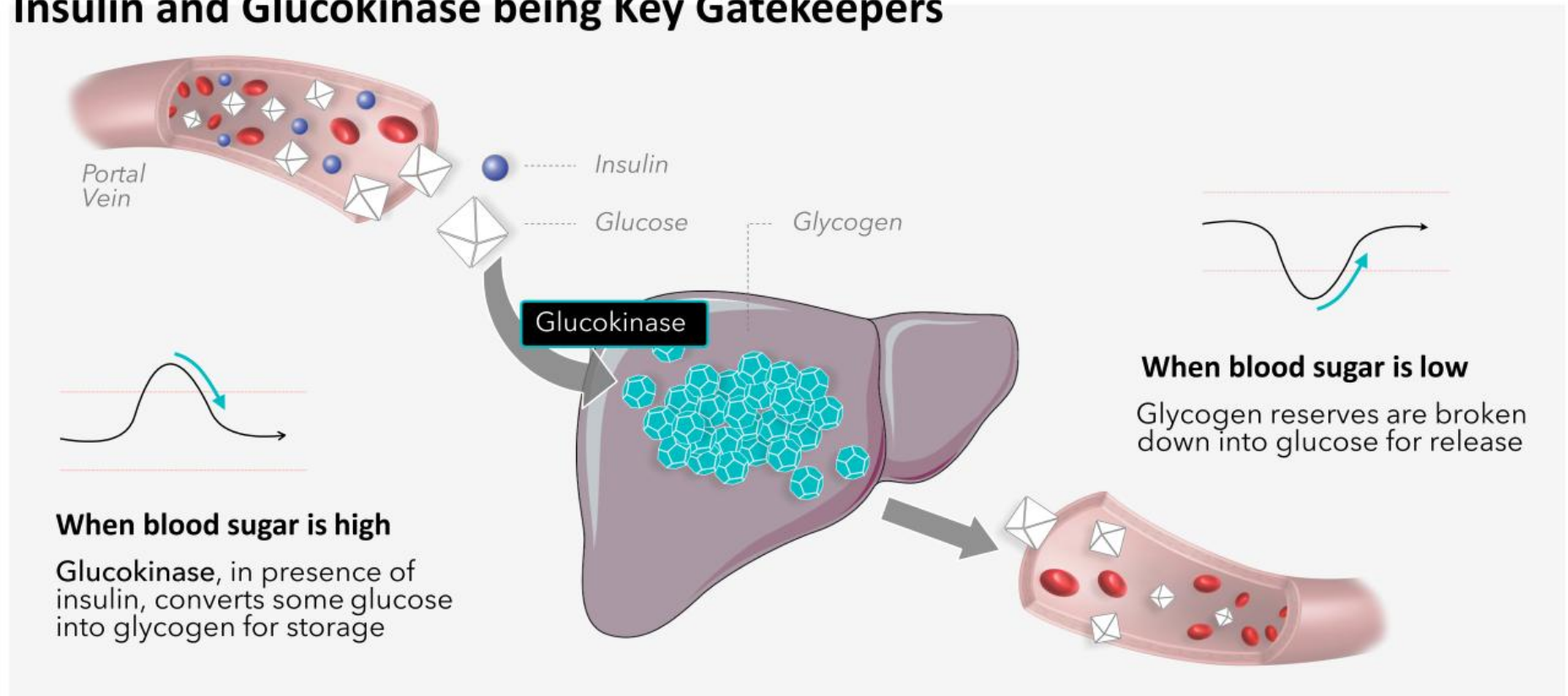
Glucokinase is present in both pancreatic  $\beta$ -cells & the liver.  
Past efforts to target have failed due to an increase in hypoglycemic events among other issues\*



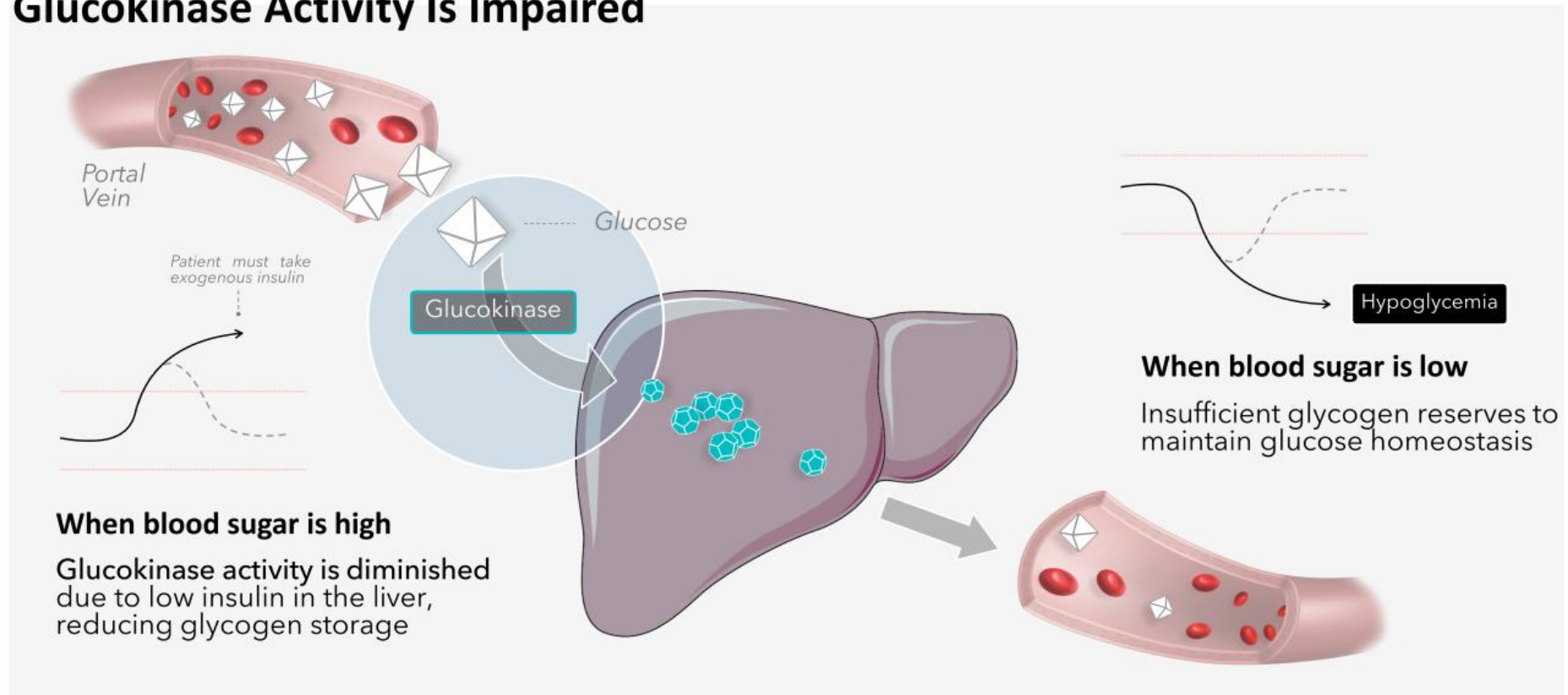
**\*Other factors:** Loss of potency over time; hypertriglyceridemia; fatty liver. None of these have been observed with *cadisegliatin* preclinically or in clinical studies up to 6 months.



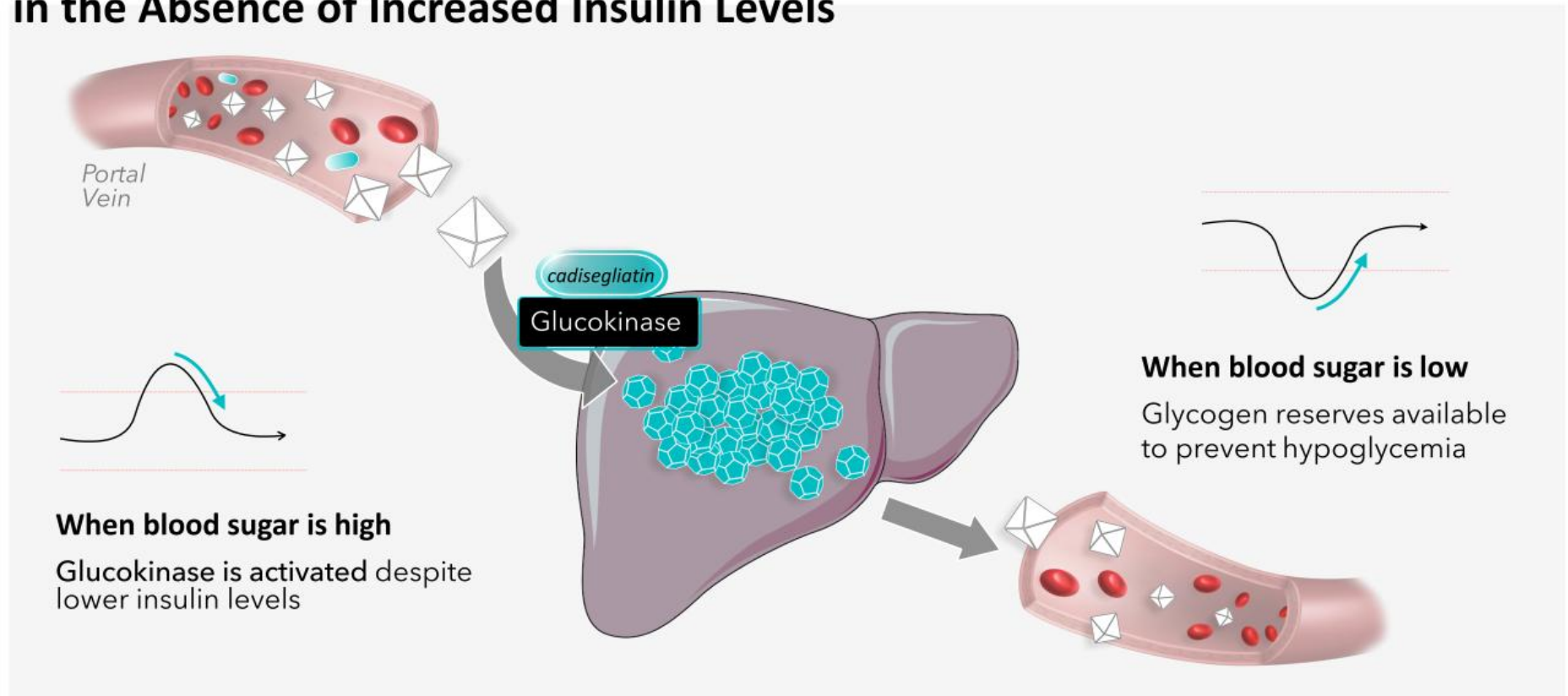
## In Non-Diabetic People, the Liver Acts as a Reservoir for Glucose with Insulin and Glucokinase being Key Gatekeepers



## With Type 1 Diabetes and Only Low Levels of Insulin Reaching the Liver, Glucokinase Activity Is Impaired

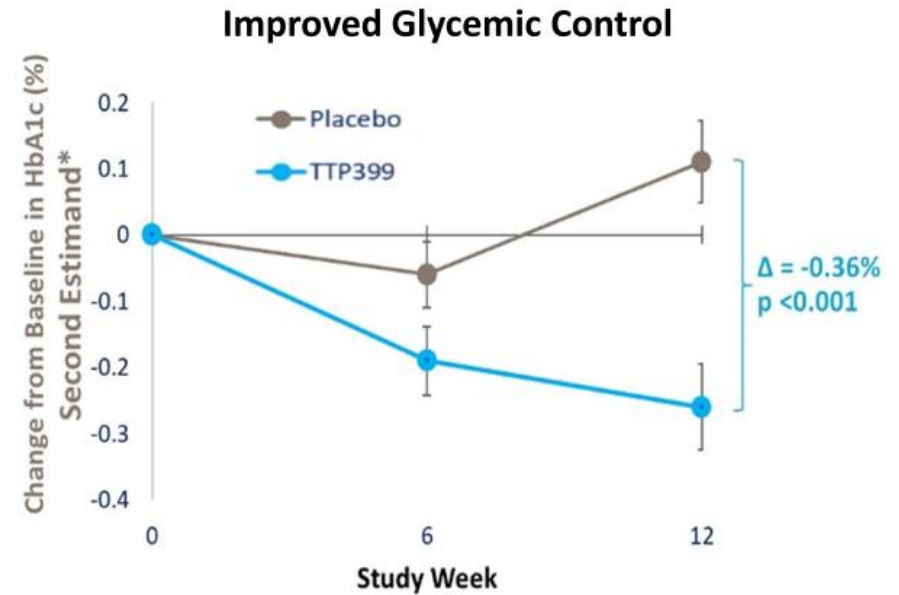
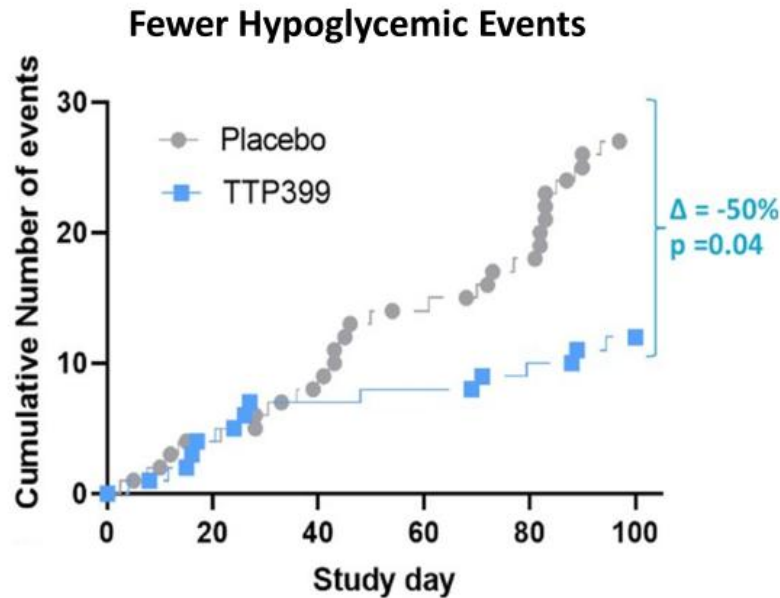


## ***Cadisegliatin* Reactivates Innate Glucose-Regulating Capacity of the Liver Even in the Absence of Increased Insulin Levels**



## Our SimpliciT1 Trial Showed Reductions In Both Hypoglycemia and HbA1c

Trials sponsored in part by:  
**JDRF** IMPROVING  
LIVES.  
CURING  
TYPE 1  
DIABETES.



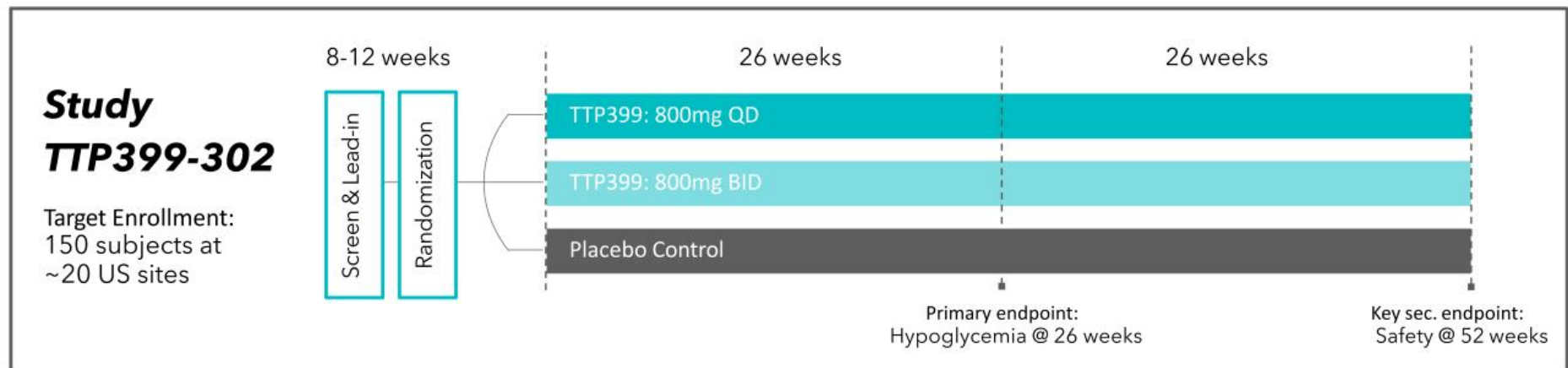
Randomized, Double-Blind, Placebo Controlled 2-Part Study of ~100 patients. A total of 49 patients in the treatment groups received 800mg daily of *cadisegliatin*.

Study Details: <https://diabetesjournals.org/care/article/44/4/960/138590/The-SimpliciT1-Study-A-Randomized-Double-Blind> & <https://clinicaltrials.gov/ct2/show/NCT03335371>



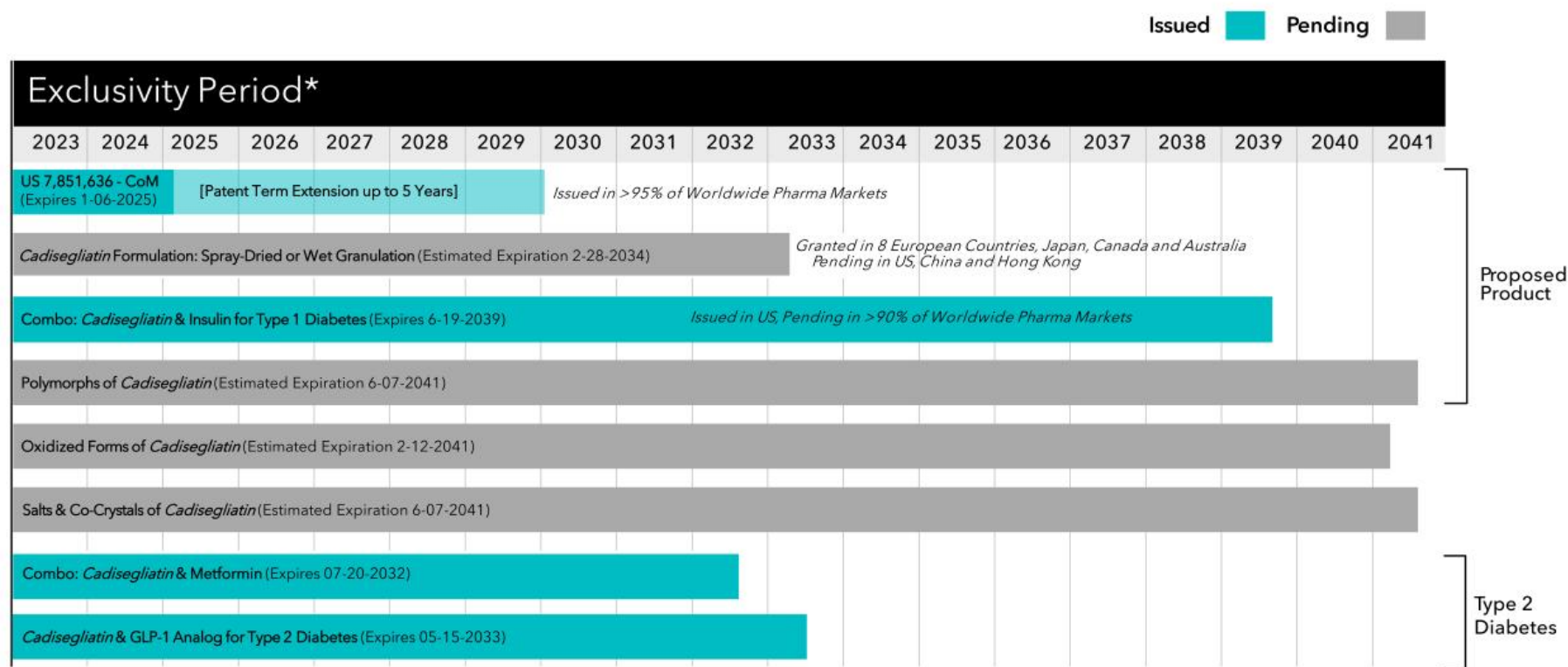
# Clinical Development Plan:

TTP399-302 is the first Phase 3 trial to assess the efficacy of *cadisegliatin* in patients utilizing continuous glucose monitoring (CGM)



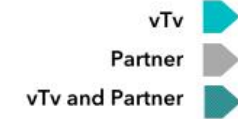
*Choice of endpoint, exposure & population criteria informed by specific FDA advice & published FDA clinical guidance*

# Strong IP Protection for Cadisegliatin through 2041



\* Dates are provided for informational purposes only; actual results may differ from expectations

# Pipeline



PRODUCT	PRE-CLINICAL	PHASE I	PHASE II	PHASE III	PARTNERS + REGIONS
<b>Cadisegliatin</b> (TTP399) GK Activator	Type 1 Diabetes Type 2 Diabetes				 Certain countries in the Middle East, Africa, and Central Asia
<b>TTP273</b> Oral GLP-1R Agonist	Type 2 Diabetes Cystic Fibrosis-Related Diabetes				
<b>HPP737</b> PDE4 Inhibitor	SAD/MAD Completed Psoriasis / COPD / Atopic Dermatitis				 恒翼生物医药 Asia (excl. Japan)
<b>Mavodelpar</b> (HPP593) PPAR- $\delta$ Agonist	Primary Mitochondrial Myopathies (PMM)* Long-chain fatty acid oxidation disorders (LC-FAOD)				 Worldwide
<b>Azeliragon</b> RAGE Antagonist	Glioblastoma / Other Cancers and Cancer Treatment-Related Conditions				 Worldwide
<b>HPP3033</b> Nrf2/Bach1 Modulator	Undisclosed				
<b>TTP-RA</b> RAGE Antagonist	Type 1 Diabetes Prevention				

\* Reneo reported in Dec 2023, "The STRIDE study did not meet its primary or secondary efficacy endpoint."

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## Conclusions



- Successful \$51 million PIPE investment to fund first Phase 3 clinical trial



- 1.6 million people in the US have type 1 diabetes
  - Growing at a rate of 2.9% annually
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- Phase 3-ready asset in *cadisegliatin* – an adjunct therapy for T1D patients to improve glycemic control while reducing the risk of hypoglycemia



- *Cadisegliatin* received Breakthrough Designation status with the FDA