

Corporate Presentation

December 10, 2024

Forward Looking Statements

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This presentation discusses a product candidate that is under clinical study and which has not yet been approved for marketing by the U.S. Food and Drug Administration. No representation is made as to the safety or effectiveness of this product candidate for the use for which it is being studied.

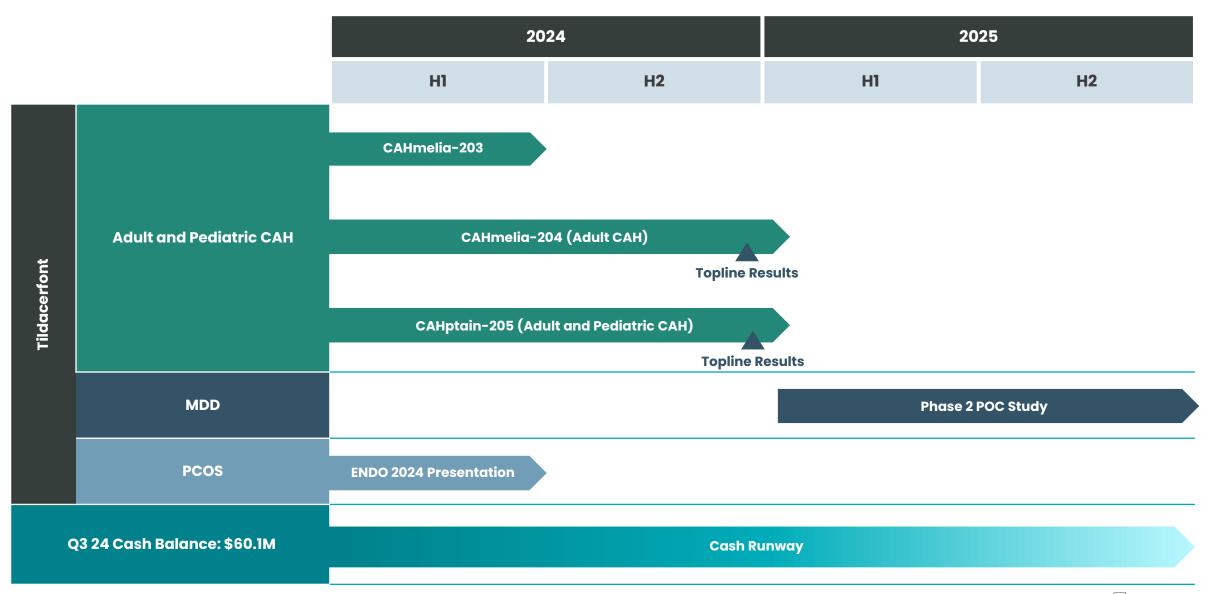
Spruce Bio At a Glance

Evaluation of Strategic Options Underway	Evaluation of strategic options underway concurrent with cash preservation measures
CAHmelia-204 Study Results	CAHmelia-204 study of 200mg QD tildacerfont in adult CAH did not achieve primary endpoint of glucocorticoid reduction
CAHptain-205 Study Results	Dose-ranging data of tildacerfont in adult and pediatric CAH suggests higher BID doses may be necessary for efficacy in CAH
Strategic Collaboration to Develop Treatment for MDD	Strategic collaboration with HMNC Brain Health; initiation of Phase 2 study of tildacerfont and Cortibon (CDx) for MDD in Q1 25
License Option for MDD Companion Diagnostic	Option by Spruce to in-license exclusive worldwide rights to Cortibon (MDD CDx) following Phase 2 Study
Financials	Cash runway through 2025 based on current operating plan

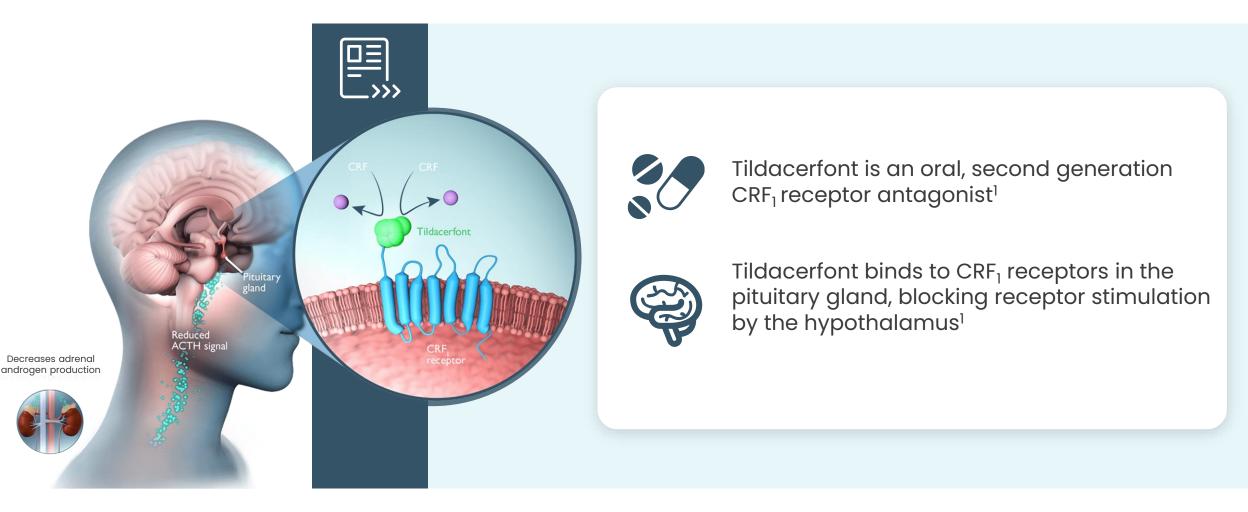
Note: CAH is congenital adrenal hyperplasia, MDD is major depressive disorder; PCOS is polycystic ovary syndrome, CDx is companion diagnostic.

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Overview of Anticipated Milestones and Cash Runway

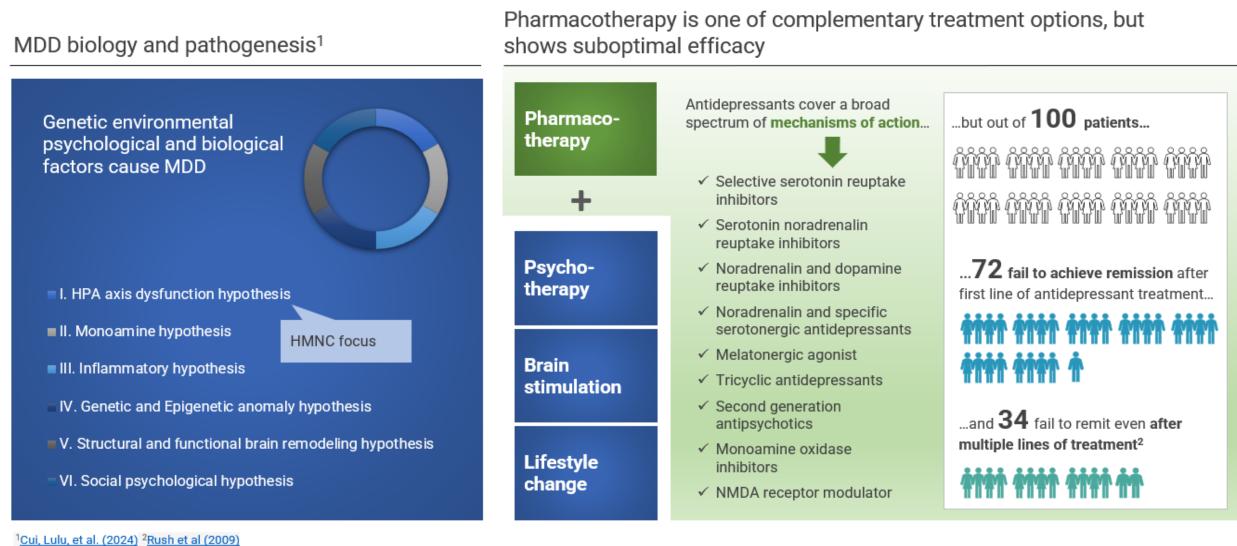


Tildacerfont is a Second-Generation CRF1 Receptor Antagonist

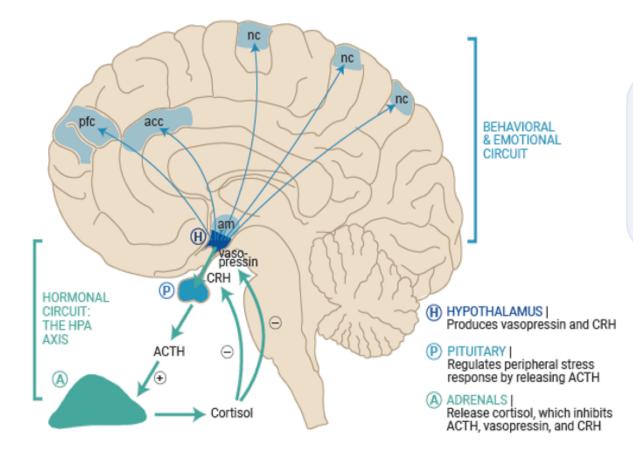




Treatment Options in MDD Demonstrate Suboptimal Efficacy



Substantial Subset of MDD Patients Possess HPA-Axis Disturbance



Background

 A substantial subset (~30-50%) of all patients with MDD have a disturbance in CRH signaling, key stress response regulators

Breakthrough

- Cortibon has the potential to identify especially those patients, with high specificity and sensitivity
- Tildacerfont has the potential to be highly efficacious in CDx-positive patients

CRHR1 Antagonists - Why were they shelved?

• Developmental programs that target the HPA axis were conducted in nonselected patient populations and therefore, did not show significant efficacy

"We reviewed a range of issues that may explain why CRHR1 antagonists have been challenging to translate from bench to bedside. These include potential specificity limitations of preclinical models and the fact that CRHR1 antagonists produced therapeutic-like results only under specific conditions, unlike some clinically effective compounds that act more generally." Reference: <u>Spierling, Zorrilla (2017)</u>



Capital Structure and Summary Financials as of September 30, 2024

Capital Structure	Shares (M)
Shares Outstanding	41.3
Equity Awards Issued and Outstanding	7.9
Common Stock Warrants	12.7
Fully Diluted Shares Outstanding	61.9

Financials	000's
Cash & Cash Equivalents	\$60,055
Debt ¹	\$2,163



