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**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**  
Washington, D.C. 20549

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**FORM 8-K**

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**CURRENT REPORT**  
**Pursuant to Section 13 or 15(d)**  
**of the Securities Exchange Act of 1934**

**Date of report (Date of earliest event reported): October 1, 2018**

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**CRINETICS PHARMACEUTICALS, INC.**

(Exact name of registrant as specified in its charter)

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**Delaware**  
(State or other jurisdiction of  
incorporation or organization)

**001-38583**  
(Commission  
File Number)

**26-3744114**  
(I.R.S. Employer  
Identification No.)

**10222 Barnes Canyon Road, Bldg. #2**  
**San Diego, California 92121**  
(Address of principal executive offices) (Zip Code)

**(858) 450-6464**  
(Registrant's telephone number include area code)

**N/A**  
(Former Name or Former Address, if Changed Since Last Report)

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Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

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**Item 7.01 Regulation FD Disclosure.**

During the week of October 1, 2018, representatives of Crinetics Pharmaceuticals, Inc. (the "Company") will be attending meetings with investors, analysts and other parties in connection with the Leerink Partners Roundtable Series: Rare Disease & Oncology in New York, New York. During these meetings, the Company will present the corporate slide presentation attached as Exhibit 99.1 to this Current Report on Form 8-K, which is incorporated herein by reference.

The Company's updated corporate presentation has been posted to the Company's website, [www.crinetics.com](http://www.crinetics.com). The Company plans to use its website to disseminate future updates to its corporate presentation and does not intend to file or furnish a Form 8-K alerting investors each time the presentation is updated.

The information set forth in this Item 7.01 is being furnished pursuant to Item 7.01 and shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Exchange Act") or otherwise subject to the liabilities of that section, and it shall not be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or under the Exchange Act, whether made before or after the date hereof, except as expressly provided by specific reference in such a filing.

By filing this Current Report on Form 8-K and furnishing the information in this Item 7.01, the Company makes no admission as to the materiality of Item 7.01 in this report or the presentation available on the Company's website. The information contained in the presentation is summary information that is intended to be considered in the context of the Company's filings with the Securities and Exchange Commission (the "SEC") and other public announcements that the Company makes, by press release or otherwise, from time to time. The Company undertakes no duty or obligation to publicly update or revise the information contained in this Current Report on Form 8-K, although it may do so from time to time as its management believes is appropriate or as required by applicable law. Any such updating may be made through the filing of other reports or documents with the SEC, through press releases, by updating its website or through other public disclosure.

**Item 9.01. Financial Statements and Exhibits.**

(d) Exhibits

<u>Exhibit No.</u>	<u>Description</u>
99.1	<a href="#">Slide Presentation</a>

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

CRINETICS PHARMACEUTICALS, INC.

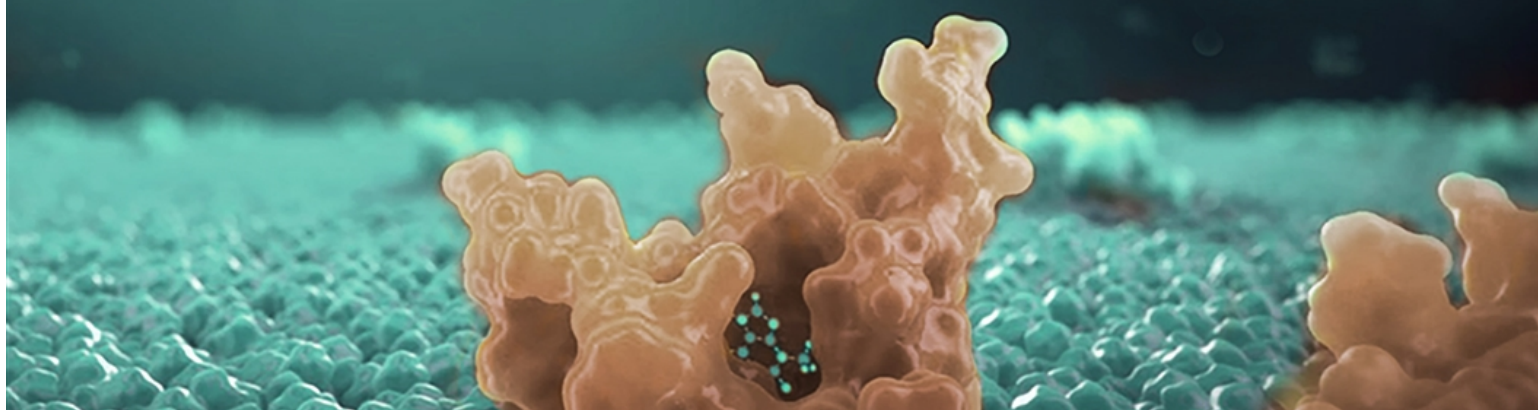
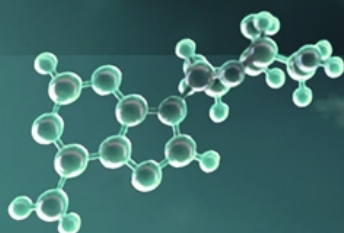
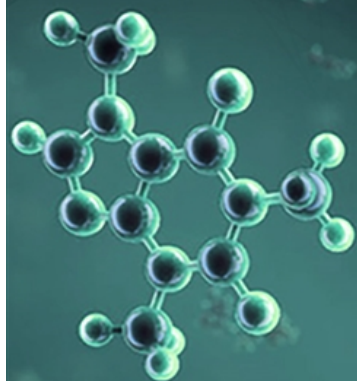
Date: October 1, 2018

By: /s/ Marc Wilson  
Marc Wilson  
Chief Financial Officer



**Corporate Presentation**

*October 2018*





## Safe harbor statement

This presentation contains forward-looking statements. All statements other than statements of historical facts contained in this presentation, including statements regarding our future results of operations and financial position, business strategy, prospective products, product approvals, research and development costs, timing and likelihood of success, plans and objectives of management for future operations, and future results of current and anticipated products, are forward-looking statements. In some cases, you can identify forward-looking statements by terms such as “may,” “believe,” “anticipate,” “could,” “should,” “estimate,” “expect,” “intend,” “plan,” “project,” “will,” “forecast” and similar terms. These statements involve known and unknown risks, uncertainties and other important factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. These known risks and uncertainties are described in detail in our filings made with the Securities and Exchange Commission from time to time. Because forward-looking statements are inherently subject to risks and uncertainties, some of which cannot be predicted or quantified and some of which are beyond our control, you should not rely on these forward-looking statements as predictions of future events. The events and circumstances reflected in our forward-looking statements may not be achieved or occur and actual results could differ materially from those projected in the forward-looking statements. All forward-looking statements are qualified in their entirety by this cautionary statement, which is made under the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 and, except as required by applicable law, we do not plan to publicly update or revise any forward-looking statements contained herein, whether as a result of any new information, future events, changed circumstances or otherwise.

This presentation also contains estimates and other statistical data made by independent parties and by us relating to market size and growth and other data about our industry. This data involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. In addition, projections, assumptions, and estimates of our future performance and the future performance of the markets in which we operate are necessarily subject to a high degree of uncertainty and risk.

## OUR VISION

To build the leading endocrine company that consistently pioneers new therapeutics to help patients better control their disease and improve their daily lives



# Investment highlights



## Focused on developing oral nonpeptide therapeutics for rare endocrine diseases and related tumors

- Targeting peptide G-protein coupled receptors (GPCRs) with validated biomarkers
- Unlocking new targets with high therapeutic potential



## Lead product candidate: CRN00808

- Potential first-in-class oral, nonpeptide, selective, somatostatin receptor type 2 (sst2) biased agonist designed to treat acromegaly
- Potent suppression of the growth hormone (GH) axis observed in Phase 1 trial
- Observed tolerability and AE profile consistent with approved somatostatin agonists
- U.S. IND in effect



## Pipeline of novel therapeutics addressing diseases with capital efficient approval paths

- Neuroendocrine tumors (NETs)
- Hyperinsulinemia
- Cushing's disease



## Product candidate pipeline addresses multi-billion aggregate market with high unmet need

- Injected somatostatin peptide drugs to treat predominantly acromegaly and neuroendocrine tumors generated sales of ~\$2.7 billion in 2017
- Additional disease targets provide significant further upside



## Retain global rights to commercialize our product candidates and have no licensing obligations



## Strong management team with key leadership roles in the development of Orlistat and Ingrezza at Neurocrine Biosciences



## Successful July 2018 IPO

- IPO net proceeds of \$106.4 million



## Experienced leadership team



**Scott Struthers, PhD**  
CEO, Founder  
& Director



**Frank Zhu, PhD**  
VP of Chemistry &  
Founder



**Steve Betz, PhD**  
VP of Biology &  
Founder



**Ajay Madan, PhD**  
VP of Development



**Marc Wilson**  
CFO



**Alan Krasner, MD**  
CMO



*We have a long history of successfully discovering and developing important new therapeutics*

# Significant opportunities across multiple rare endocrine diseases and endocrine-related tumors

Endocrine pathways function to maintain **homeostasis** and commonly use **peptide hormones acting through GPCRs** to regulate many aspects of physiology including growth, energy, metabolism, gastrointestinal function and stress responses

## Opportunities in the endocrine space

### Endocrine system:

#### **Pituitary gland**

#### **Enteroendocrine cells**

Hypothalamus

Pineal gland

Parathyroid glands

Thyroid gland

Thymus

#### **Adrenal glands**

Kidneys

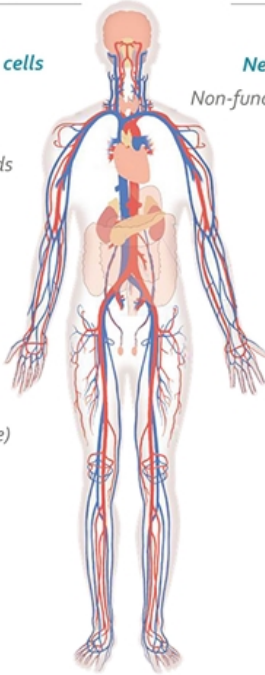
#### **Pancreas**

Liver

Placenta

Ovaries (in female)

Testes (in male)



### Multiple indications:

#### **Acromegaly**

#### **Neuroendocrine tumors**

Non-funct. pituitary adenomas

GH deficiency

Androgen deficiency

Grave's disease

Hyperparathyroidism

#### **Cushing's disease**

Adrenal hyperplasia

#### **Hyperinsulinemia**

Insulinoma

Thyroid cancer

Hypoparathyroidism

Diabetes

Prostate cancer

Endometriosis

Adrenal cancer

Breast cancer

Infertility

## Our indication criteria:



- ✓ High unmet need
- ✓ Established biology
- ✓ Biomarker endpoints
- ✓ POC in Phase 1
- ✓ Small registration trials

## Our focus:



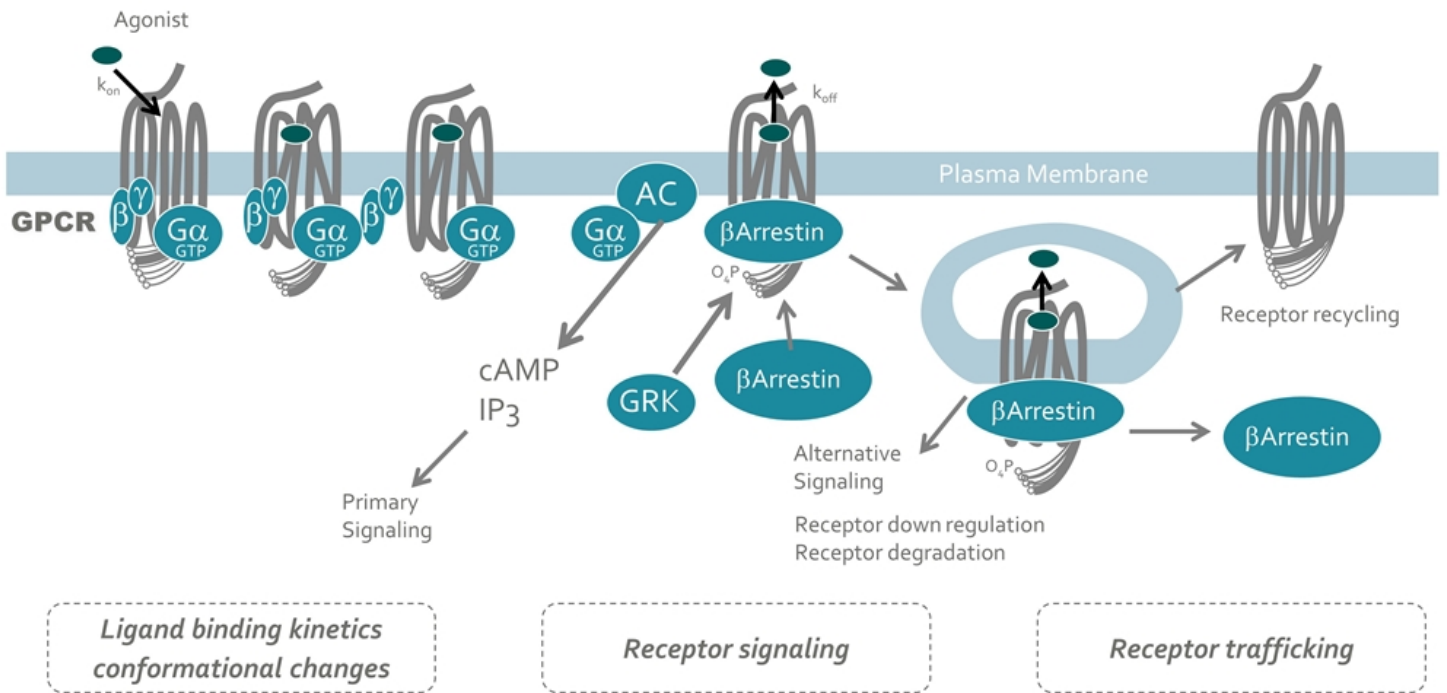
- ✓ Oral nonpeptide drug candidates that target peptide GPCRs
- ✓ Ability to generate small molecules that can replicate the complex interactions between peptides and their cognate GPCRs
- ✓ Overcome the formulation challenges and injection inconvenience of peptide drugs

## Our discovery capabilities:



- ✓ Significant experience influencing the dynamic behaviors of GPCRs
- ✓ Developed a number of proprietary methods, techniques and tools to evaluate newly synthesized molecules
- ✓ Specifically tailor a product candidate to be highly optimized for its interaction with its specific GPCR target
- ✓ Iterative strategy where compounds are designed and rapidly characterized for pharmacologic and pharmaceutical properties

# Our approach: Tailor ligands to regulate dynamic GPCR behaviors and ultimately improve patient outcomes



Our understanding of the complex GPCR signaling pathways enables us to develop oral, small molecule, product candidates that modulate GPCR dynamic behaviors

# The somatostatin receptor family of peptide GPCRs

## Overview of somatostatin (sst) receptors



The peptide hormone somatostatin is produced by a variety of cell types and has pleiotropic effects throughout the body, many of which are related to the *inhibition of secretion of other hormones or neurotransmitters*



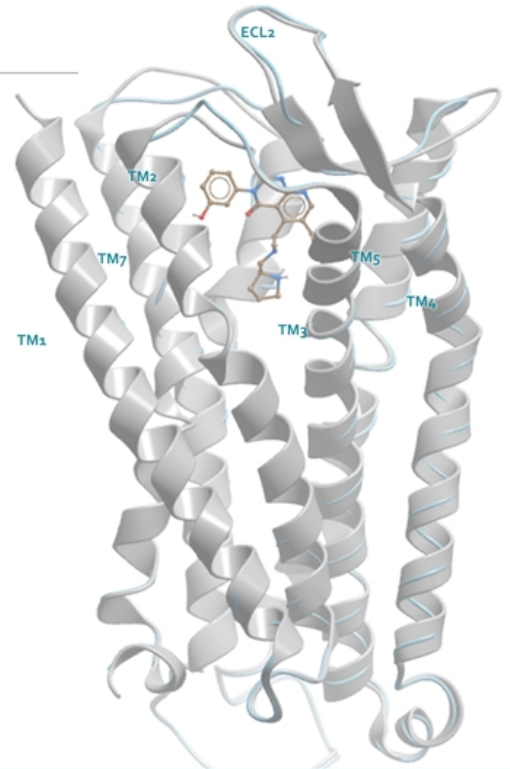
The effect of somatostatin are mediated by *five different receptor proteins (sst1-sst5)*, each of which is expressed in different subsets of tissues



*sst2 is the most widely expressed subtype in NETs and is the dominant receptor by which GH secretion is suppressed in the pituitary*



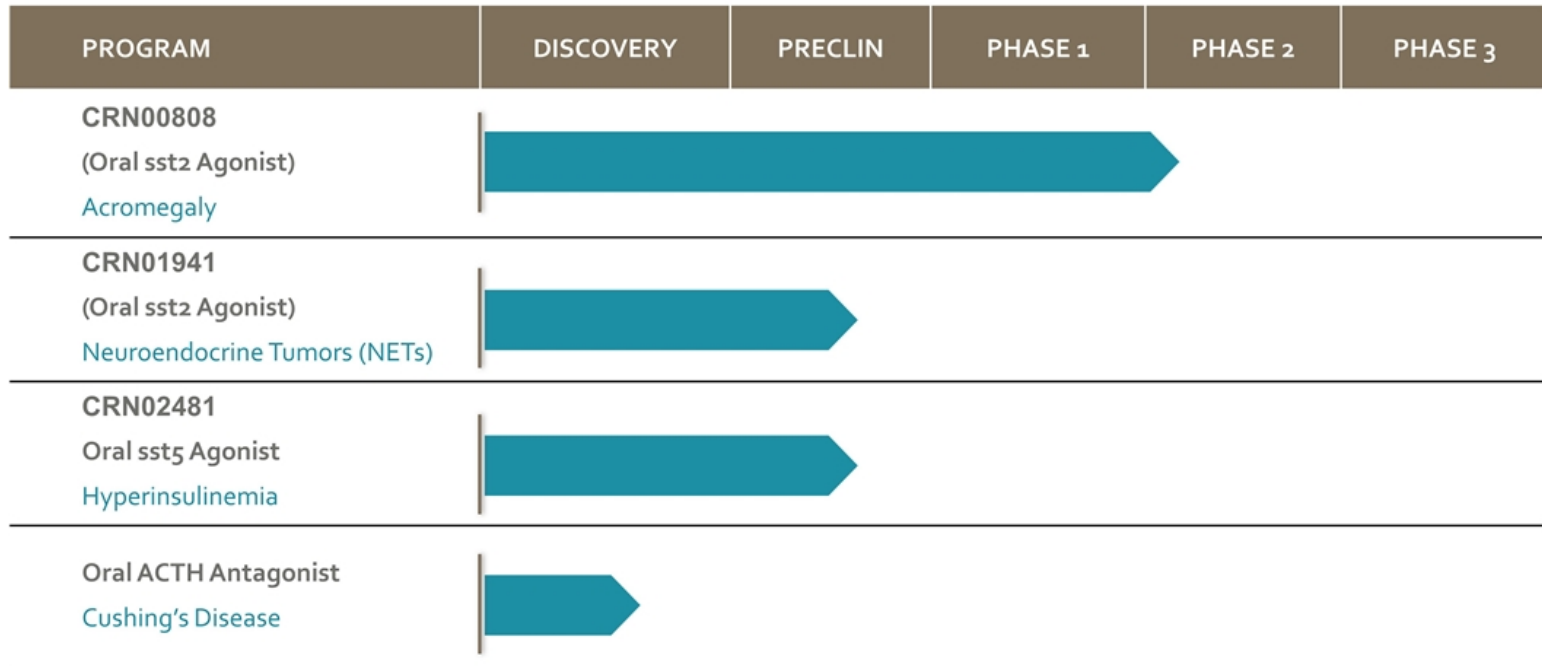
The *sst5 receptor* is expressed by pancreatic islet cells where its activation *potently inhibits insulin secretion*



*Somatostatin agonism is a well-established, commercially validated mechanism*

# Pipeline:

Potential to build a rare disease franchise in endocrinology

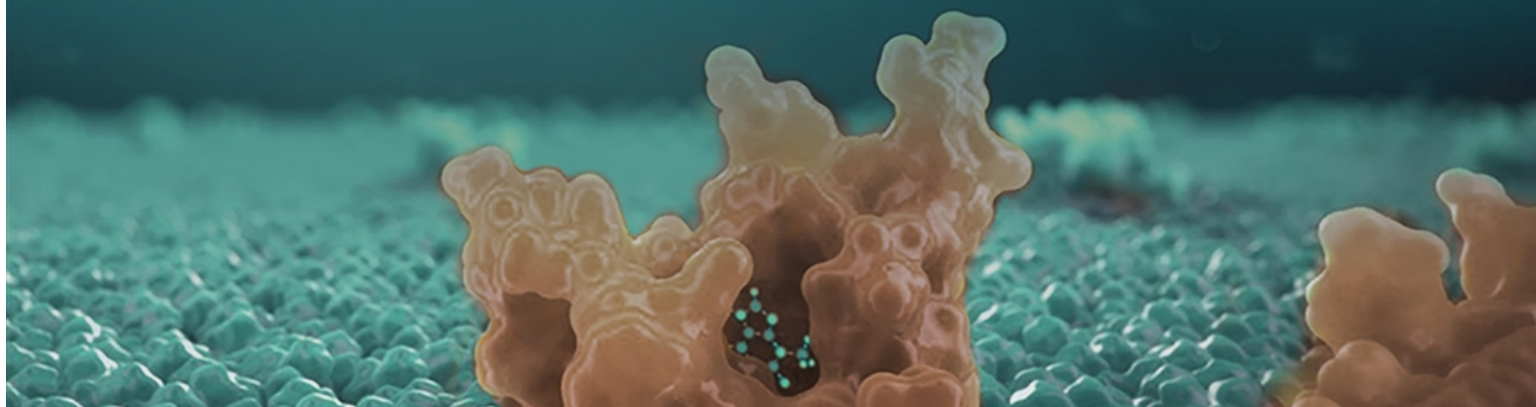


*All product candidates: discovered and developed internally, composition of matter for CRN00808 through 2037, global rights without licensing obligations*

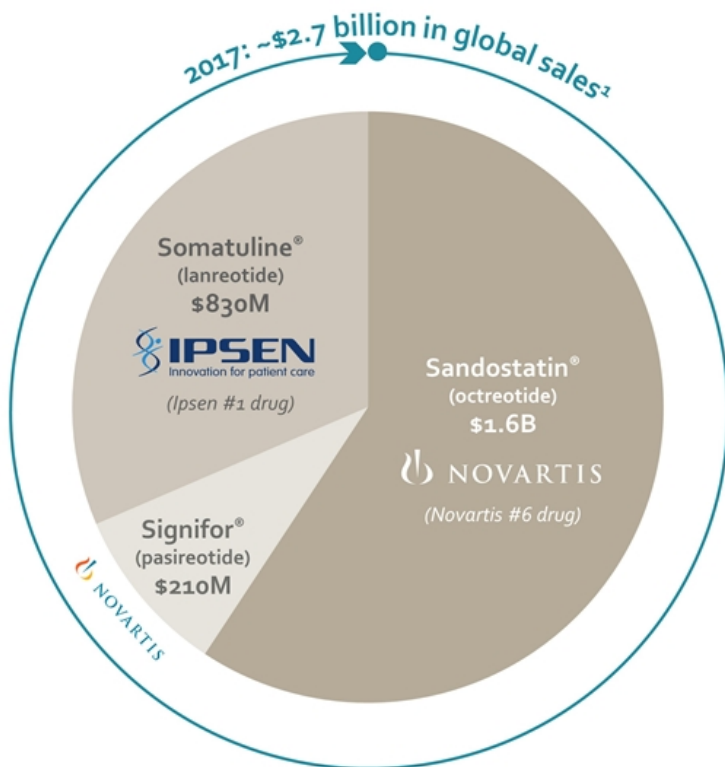


**CRN00808**







for the treatment of acromegaly



# Established commercial opportunity for injectable somatostatin peptides despite significant limitations



## Limitations of current somatostatin peptide analogs

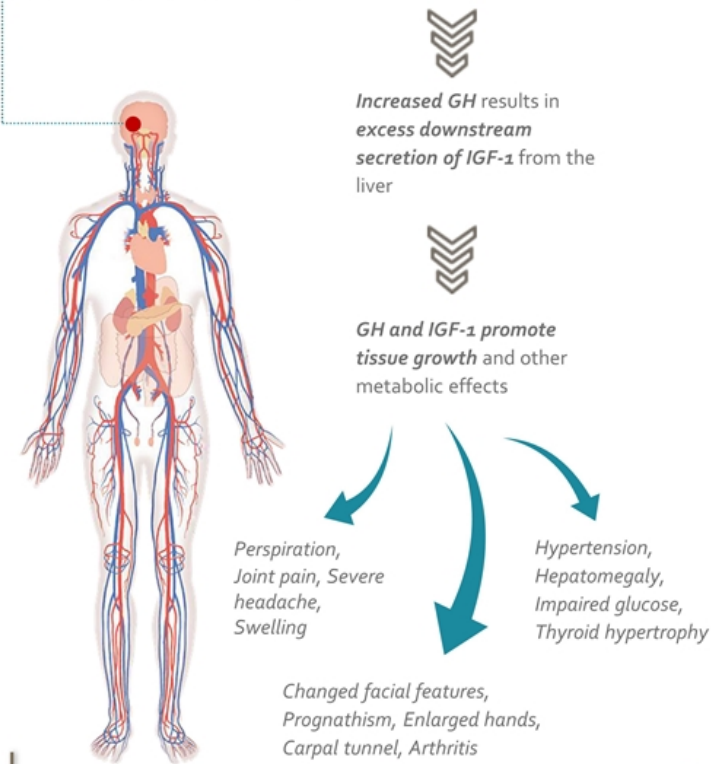
-  **Painful** intramuscular/deep sc injections every month (octreotide, lanreotide)
  -  Hardness, bruising and swelling at injection site
-  **Inconvenient** / frequent physician office visits
  -  Complex reconstitution of depot dosing regimens and prone to error
-  Limited efficacy – **only half of patients are fully controlled** (reduce excess GH secretion and normalize IGF-1 levels) throughout the treatment period
-  A majority of **patients experience increased glucose levels** within the first 2-3 weeks of treatment with pasireotide

**CRN00808 pioneers a new class of oral selective non-peptide sst2 biased agonists**

# Acromegaly: disease overview and treatment paradigm

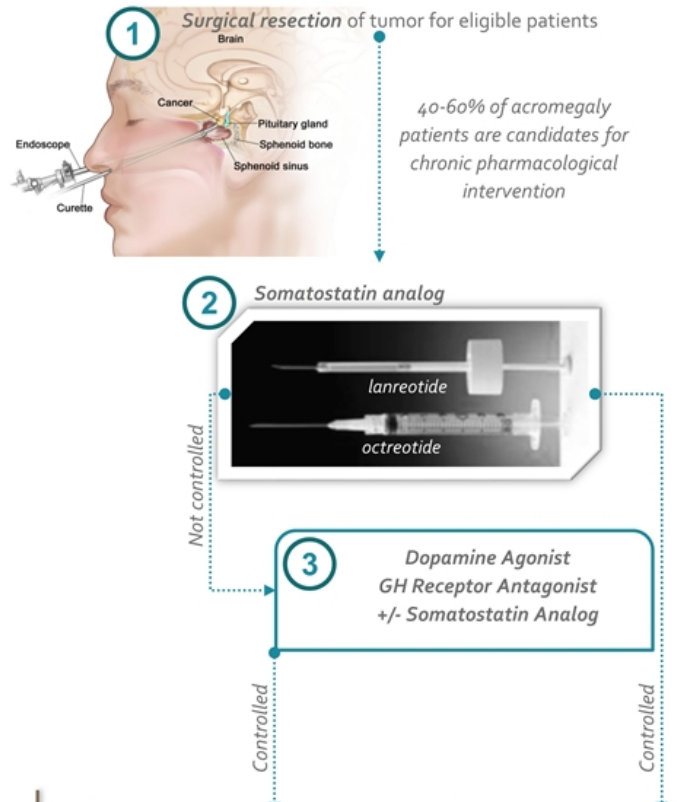
~25,000 people in the U.S. suffer from acromegaly

► Acromegaly is caused by a benign pituitary tumor



Uncontrolled acromegaly is debilitating and increases the risk of early death

Current treatment options for patients



Estimated 10-15K acromegaly patients in the U.S. on life long therapy

## CRN00808 – Target product candidate profile

- A new class of oral selective nonpeptide sst2 biased agonist designed for the treatment of acromegaly
- First agent in its class with reported clinical results

PRODUCT  
CANDIDATE  
TAILORED TO  
DELIVER KEY  
BENEFITS

### CHARACTERISTICS

### PRIMARY BENEFITS

Orally bioavailable nonpeptide  
(small molecule)



Lack of injections/pain  
Administration at home  
Rapid dose optimization  
Consistent exposure over time  
Lower COGS and admin costs

Long half life (42-50 hrs)



Once daily dosing

Reduced desensitization



Potential improved responder rates

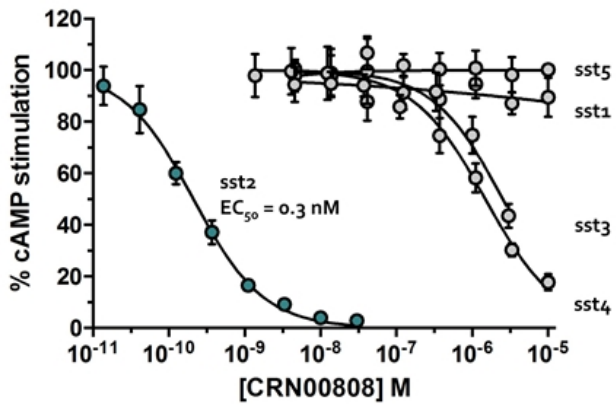
Selectivity for sst2



Glucose control (avoid sst5 mediated hyperglycemia)

# CRN00808 is a potent and selective nonpeptide sst2 agonist...

In vitro selectivity profile at all five somatostatin receptor subtypes for CRN00808



Potency was measured by inhibition of cAMP in cells stably expressing the indicated human receptor

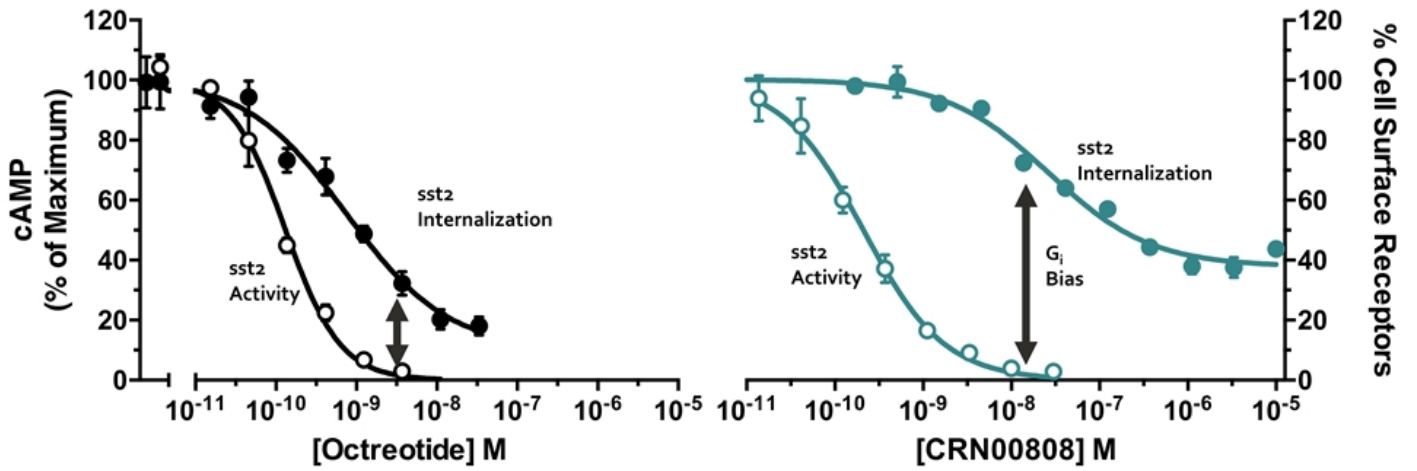
In vitro selectivity profile at all five somatostatin receptor subtypes for CRN00808 and SSA peptides

AGONIST	Human EC <sub>50</sub> (nM)				
	sst2	sst1	sst3	sst4	sst5
CRN00808	0.25	>10000	3300	1100	>10000
lanreotide	0.10	1900	200	820	19
octreotide	0.061	> 10000	7.9	470	2.1
pasireotide	0.59	23	0.78	6300	0.076
native SS14	0.14	0.83	0.17	0.21	0.065

**CRN00808's potency for sst2 is 4,000 times greater than for other subtypes**

# ...designed with $G_i$ bias to reduce internalization and desensitization of sst2

In vitro studies have shown CRN00808 was *75 times more potent* for cAMP inhibition than receptor internalization

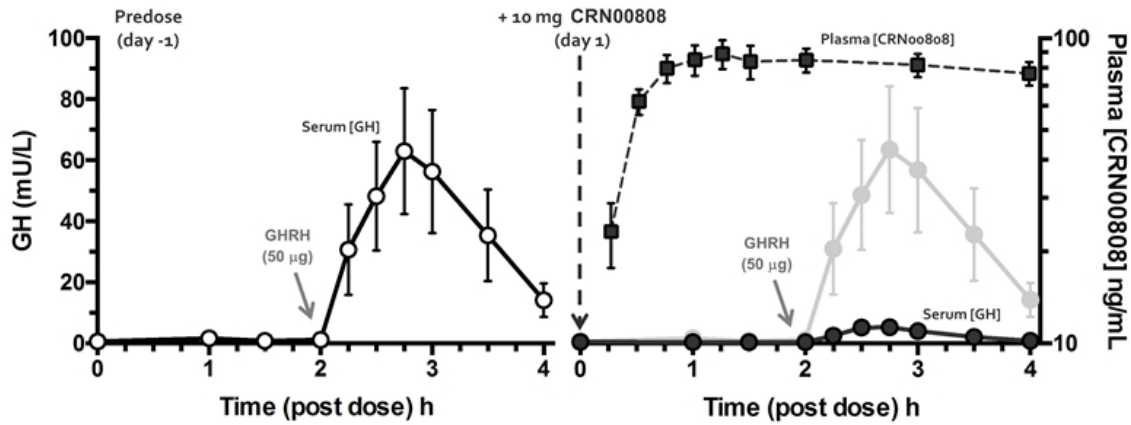


Dose response curves are shown from individual representative experiments. All points are the mean  $\pm$  standard error of either triplicate or quadruplicate readings. White circles are from a cAMP assay measuring sst2 activation. Filled circles are from an internalization assay measuring the amount of cell surface receptors.

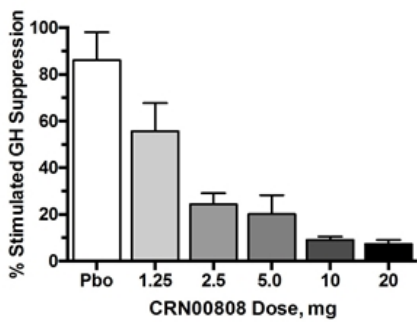


# Phase 1 SAD arm: PK/PD analysis

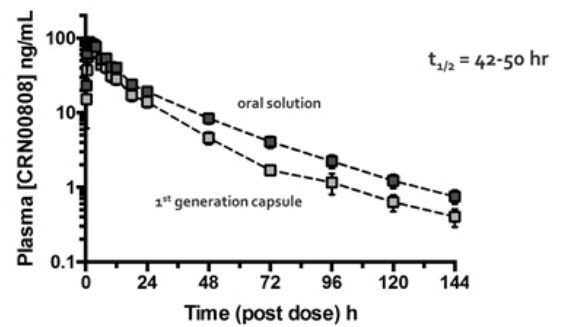
## Suppression of GHRH stimulated GH secretion by 10 mg of CRN00808



### Dose response of GH suppression



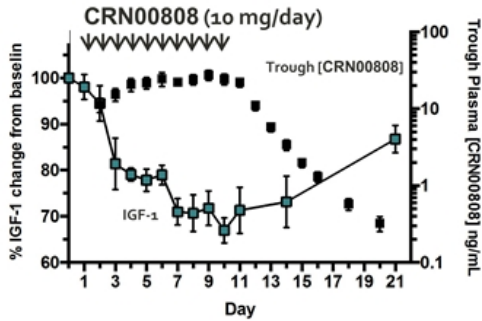
### Comparison of oral solution vs. first-generation capsule



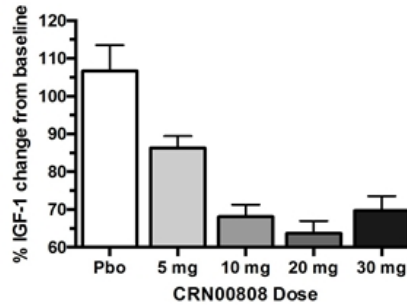
PK/PD analysis of the single-ascending dose arm. Top chart: Suppression of GHRH stimulated GH by 10 mg of CRN00808 administered as an oral solution on day 1 (filled circles, right), compared to day -1 (open circles, left). The plasma exposure of CRN00808 is shown in black squares. Lower left chart: Dose response of GH suppression of CRN00808 (data excludes an outlier in the 1.25 mg cohort which was likely related to variability in method of GHRH administration. The methodology was corrected for cohorts 2.5 mg and higher). Lower right chart: Comparison of CRN00808 plasma exposure following oral administration of 10 mg CRN00808 as an oral solution (black squares) and as a first-generation capsule (white squares). h = hour, Pbo=placebo. All data are mean ± standard error. When the capsule was administered with a standardized high fat meal, plasma AUC was reduced by approximately 83% (data not shown).

# Phase 1 MAD arm: PK/PD analysis

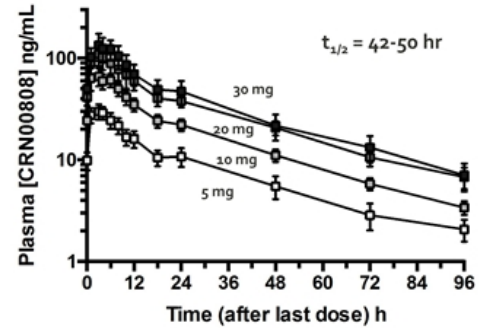
Time-course of plasma CRN00808 trough and IGF-1 concentrations



Dose response of IGF-1 suppression



Plasma concentration on the last day of dosing



PK/PD analysis of the multiple-ascending dose arm. Left chart: Time-course of plasma CRN00808 trough concentrations (black squares) and IGF-1 concentrations (green squares) in the 10 mg MAD cohort. Middle chart: Dose response of IGF-1 suppression on last day of dosing for MAD cohorts compared to placebo (Pbo). All data are mean  $\pm$  standard error. Right chart: Plasma concentration of CRN00808 on last day of dosing. 30 mg (black circles), 20 mg (white circles), 10 mg (black squares), 5 mg (white squares).

*10 mg selected as the initial dose in Phase 2 trials*



# CRN00808: Conclusions from Phase 1

## Potent suppression of GH axis in Phase 1 provided clinical POC

- Clear exposure response relationship observed for GH suppression
- Maximum GH and IGF-1 suppression observed with 10 mg dose

## Pharmacokinetics data suggest suitability for once daily oral administration

- CRN00808 was well absorbed in fasted subjects with low variability between subjects
- Exposure reduced when first generation capsule taken with food
- Half-life (42-50 hr) consistent with once daily dosing
- No CYP inhibition observed: No change in midazolam exposure with co-administration

## Safety

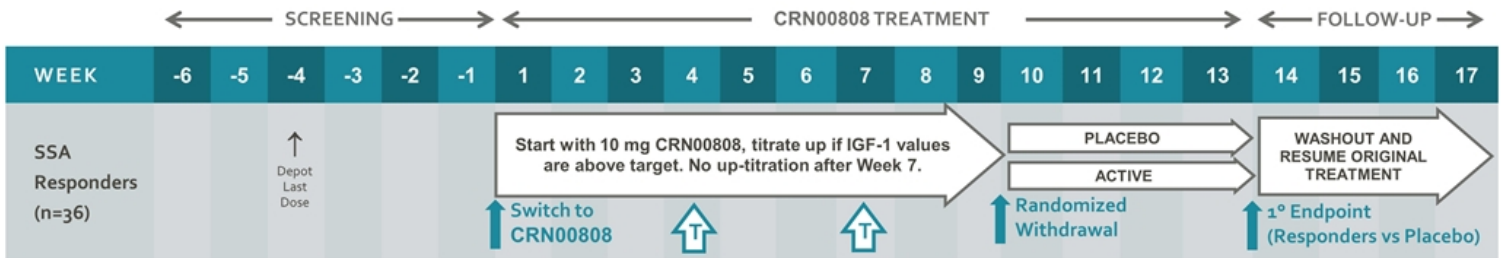
- Tolerability and AE profile was generally consistent with approved peptide somatostatin analogs (abdominal pain, flatulence, abdominal distension, and diarrhea in approximately ~30% of subjects and mild elevations of pancreatic enzymes in approximately ~10% of subjects)
- Additional adverse events included: headache, dizziness and cardiac rhythm abnormalities (including NSVT). One serious adverse event of moderate NSVT was observed following a single 1.25 mg dose and was considered unlikely to be related to CRN00808. These AEs were not dose dependent and also observed in placebo subjects and/or prior to dosing.

## Supports starting dose of 10 mg/day in planned Phase 2 acromegaly trials

# CRN00808: Planned Acromegaly Phase 2 Trials: EVOLVE



ACROBAT EVOLVE Study: Evaluation of CRN00808 vs placebo in patients controlled on injected SSA monotherapy



Entry Criteria: IGF  $\leq$  ULN on SSA depot monotherapy (octreotide LAR or lanreotide)

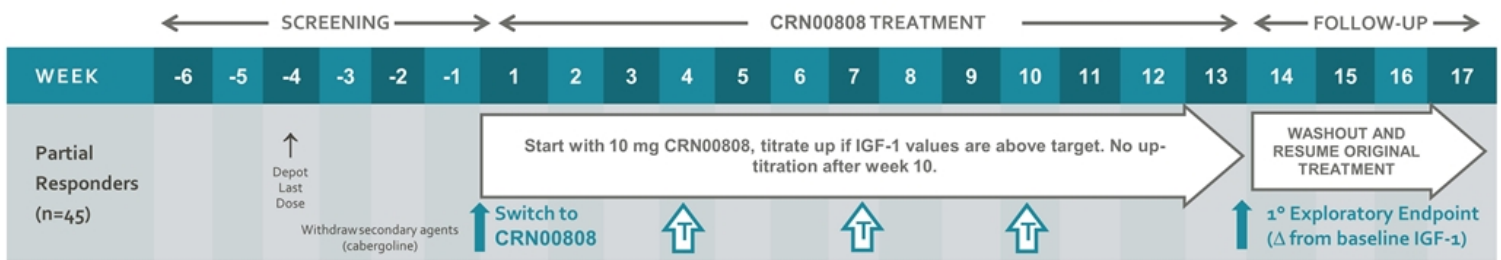


 Titrate up if two consecutive IGF-1 values are above ULN.

# CRN00808: Planned Acromegaly Phase 2 Trials: EDGE



ACROBAT EDGE Study: Exploration of CRN00808 in patients inadequately controlled on injected SSA monotherapy



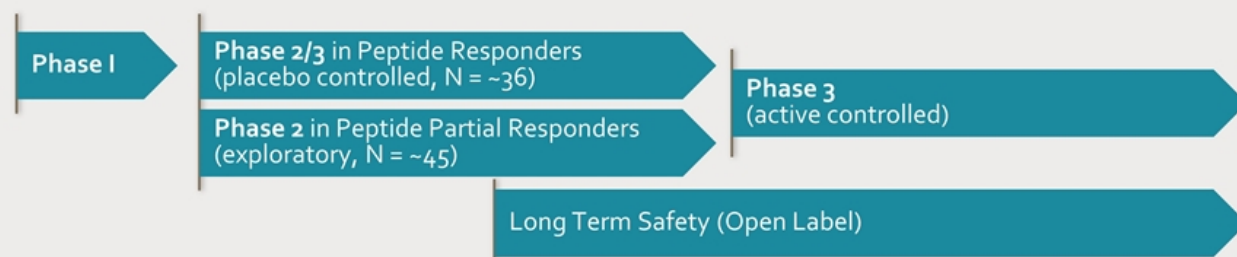
Entry Criteria: Partial responders on SSA monotherapy or when combined with dopamine agonist. Complete and partial responders on combination regimens will also be studied






↑ Titrate up if two consecutive IGF-1 values are above ULN.

# CRN00808: Established clinical development strategy based on other approved products

## Planned clinical development path outline

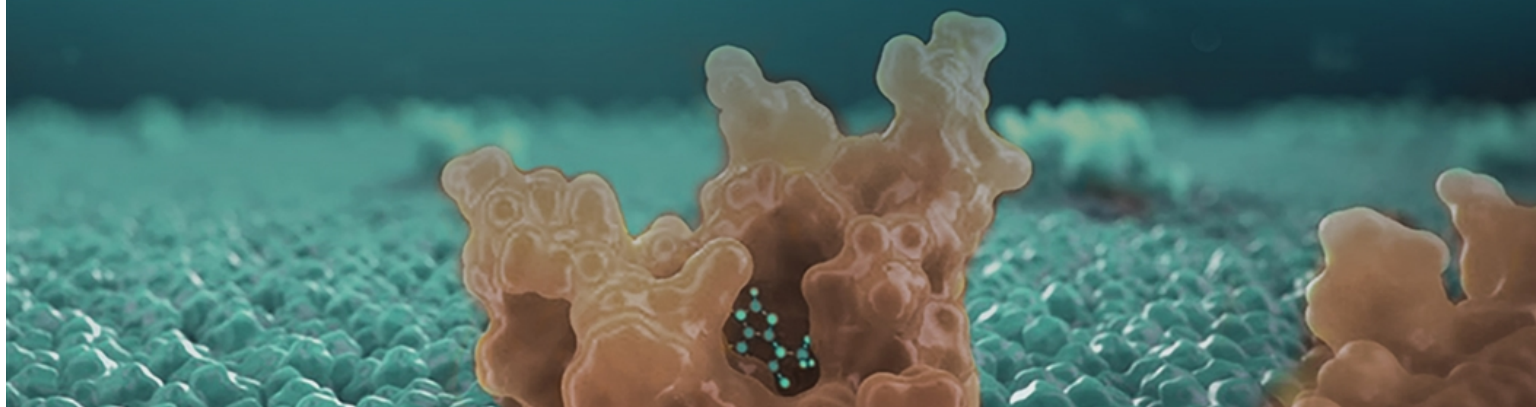


## Summary of acromegaly registration trials

DRUG (TRIAL)	COMPARATOR	N	PRIMARY ENDPOINT
 <b>Somatuline<sup>®</sup> Depot</b> (lanreotide) Injection	placebo	107	50% GH ↓ @ 4 weeks
	none	63	IGF normalization @ week 48
Oral octreotide	baseline	155	IGF normalization @ month 7
	placebo	50	IGF normalization @ month 9
	octreotide/lanreotide	130	TWA IGF-1 over 9 months
 <b>Signifor<sup>®</sup></b> (pasireotide) Injection <small>0.3 mg/mL, 0.6 mg/mL, 0.9 mg/mL</small>	octreotide/lanreotide	198	GH + IGF normalization @ week 12
	octreotide	358	GH + IGF normalization @ month 12
 <b>SOMAVERT<sup>®</sup></b> <small>pegvisomant</small>	placebo	112	IGF reduction / normalization @ week 12

**CRN01941**

for the treatment of neuroendocrine tumors



# SSAs: a growing standard of care in NETs

## Neuroendocrine tumors (NETs)

Prevalence: ~171,000 patients (U.S.)<sup>1</sup>

Arise from enteroendocrine cells in the GI tract, lung, more rarely, the pancreas

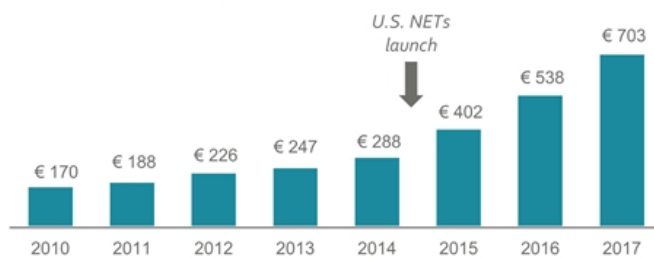
NETs commonly overexpress sst2 receptors

Somatostatin analogs (SSAs) are a standard of care - NCCN guidelines outline SSAs as first line for a large segment of NETs patients

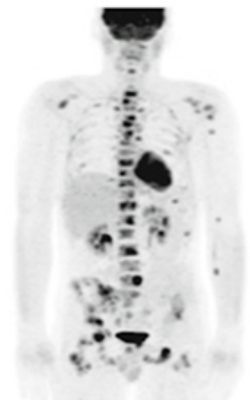
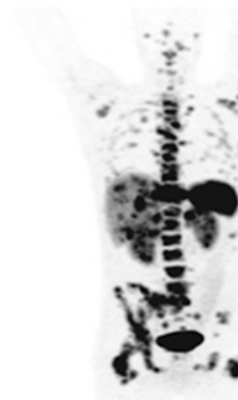
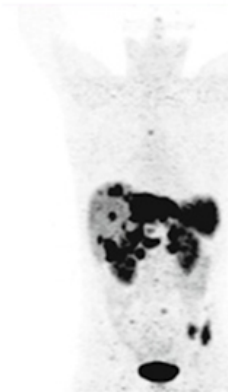
Use of SSAs has been increasing over the last 5 years

- Historically indicated only for carcinoid syndrome
- Data emerging for positive impact of SSAs on progression free survival
- Somatuline NETs treatment label launch 2015

## Somatuline® sales – growth driven by NETs label<sup>2</sup>

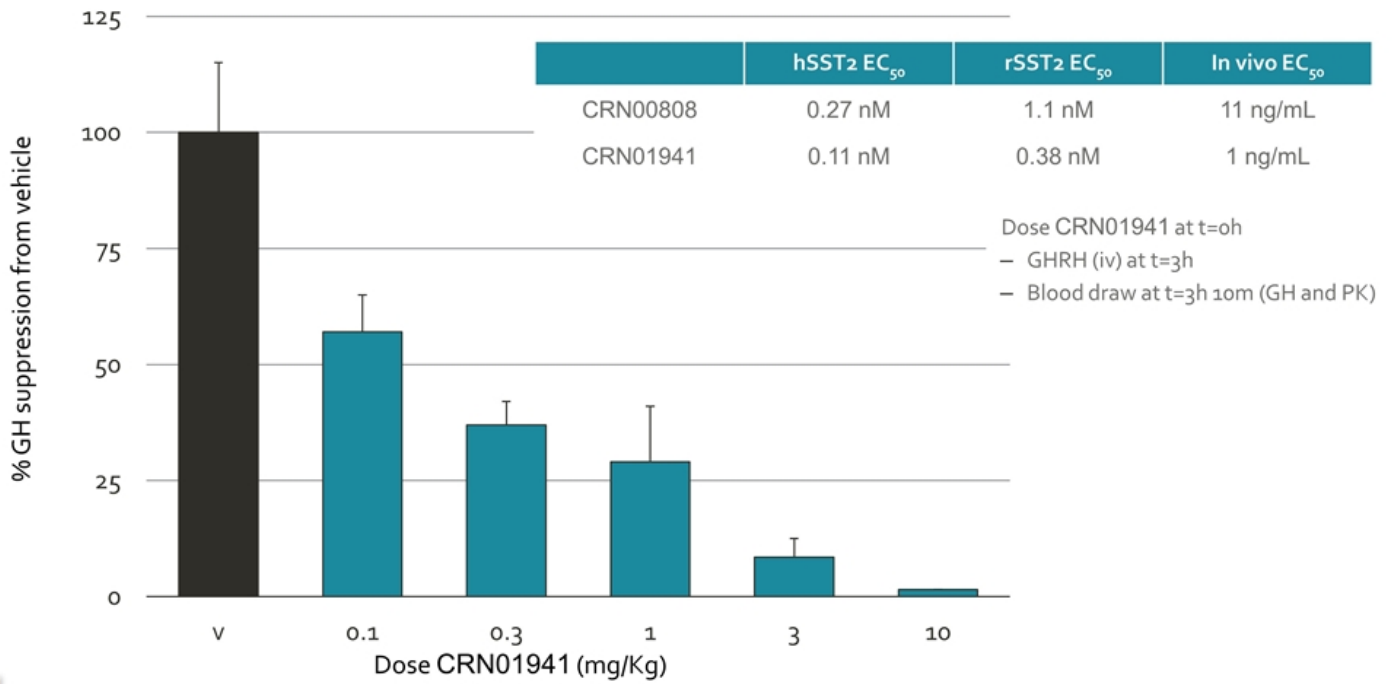


## PET scans of NETs patients



# CRN01941:

## Suppression of GHRH-induced GH in preclinical models

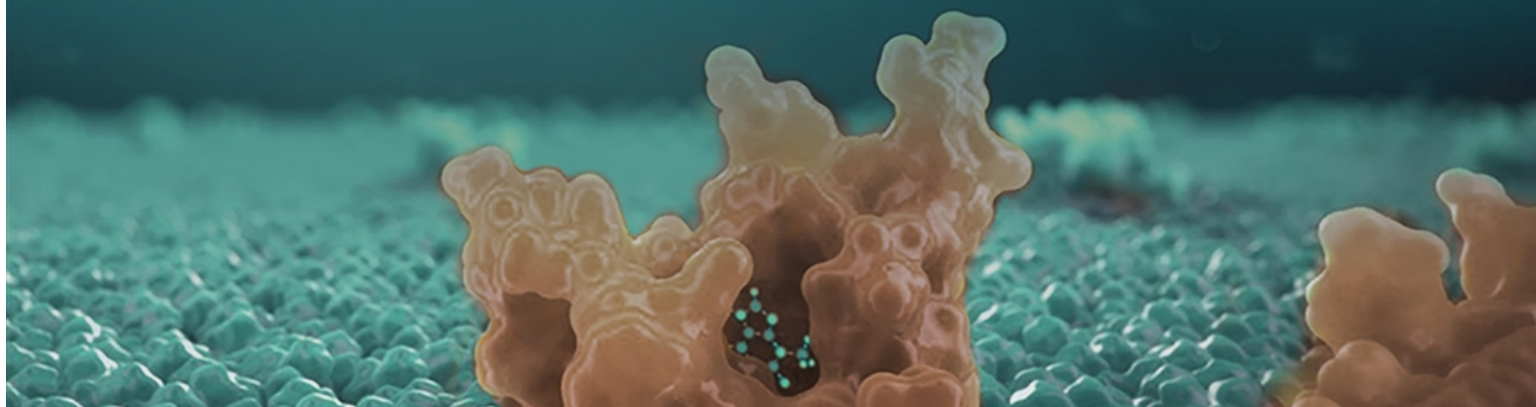


*Goal: Initiate a Phase 1 human proof-of-concept clinical trial in the first half of 2019 with results expected in late 2019 / early 2020*



**CRN02481**

**for the treatment of hyperinsulinemia**





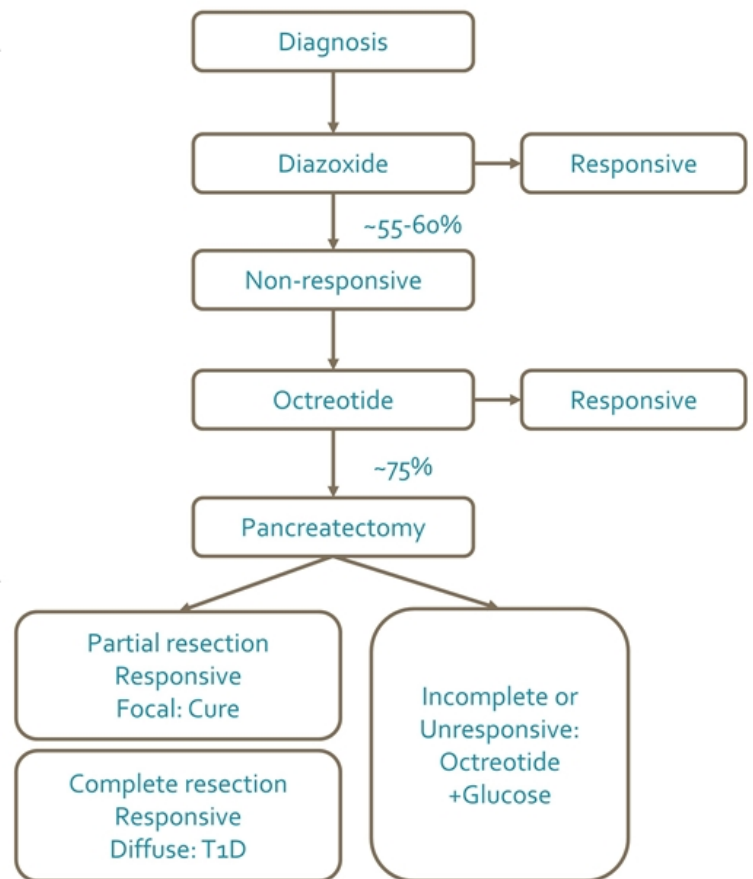
# CHI: disease overview and treatment limitations

## Indications

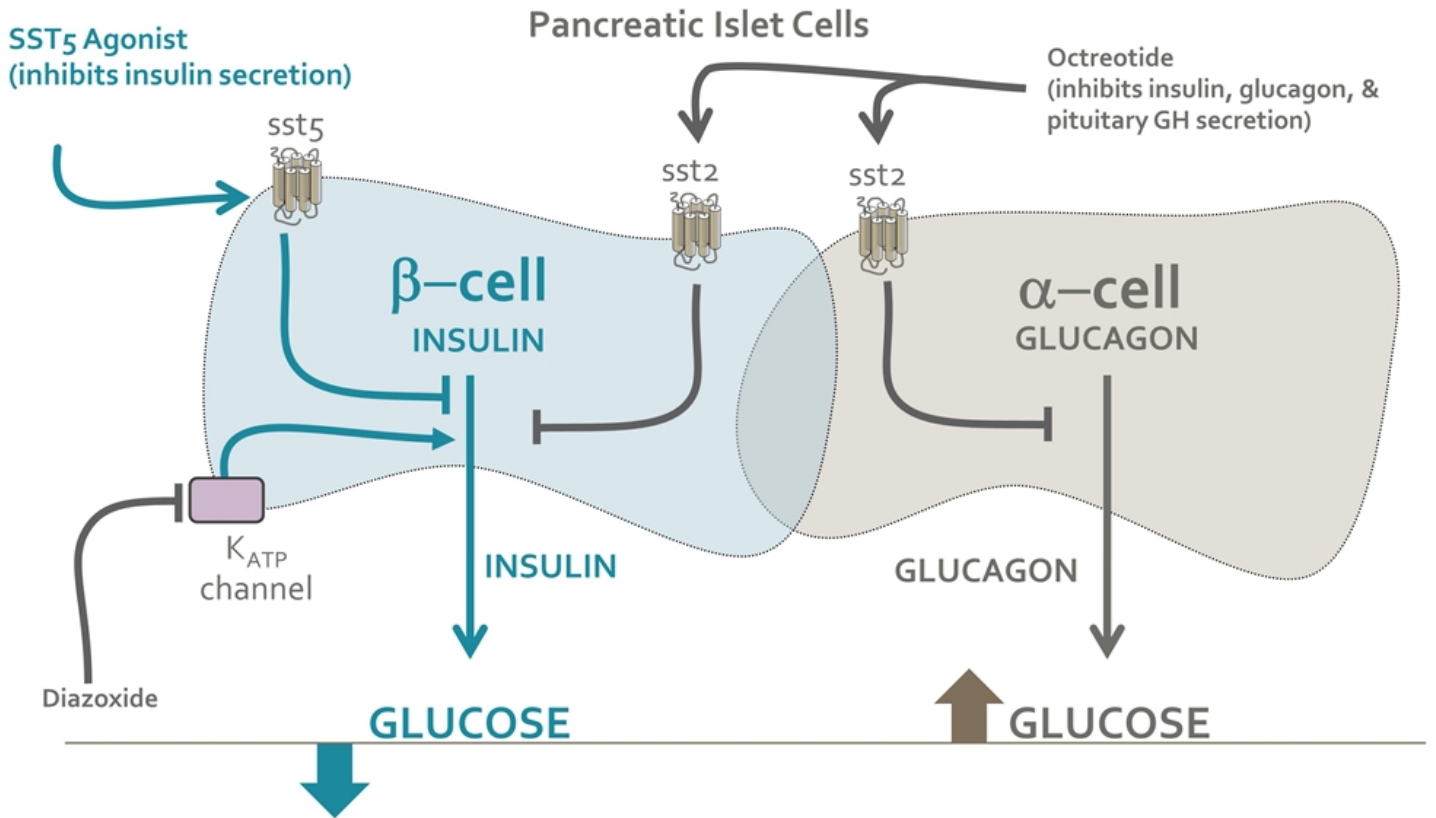
- Congenital hyperinsulinism (CHI)
  - Genetic defects (eg.  $K_{ATP}$  channel) results in excess insulin secretion and profound hypoglycemia
- Incidence:
  - 1:30,000 to 1:50,000 births (U.S.)
- Post-bariatric surgery hypoglycemia
- Insulinoma
  - Insulin secreting neuroendocrine tumor
  - Ultra-rare

## Patient and parent goals

- Avoid pancreatectomy
- Prevent cognitive / developmental problems
- Reduce injections and glucose sticks
- Medical management until HI is resolved
- Live a normal life

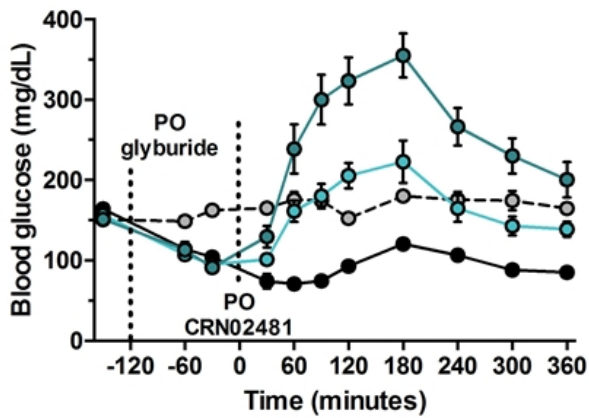


# CHI hypothesis: an oral, selective-sst5 drug is the optimal strategy for treating all HI patients



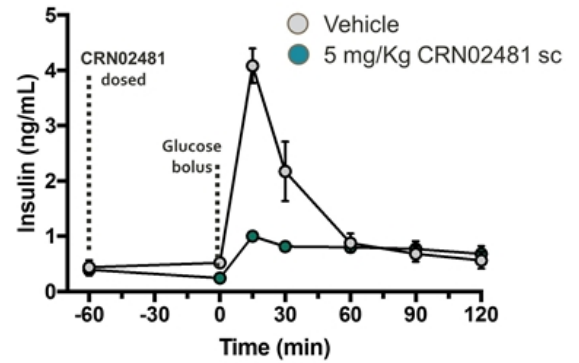
# Preclinical results

Rescue of hypoglycemia in rats induced by treatment with sulfonylurea glyburide

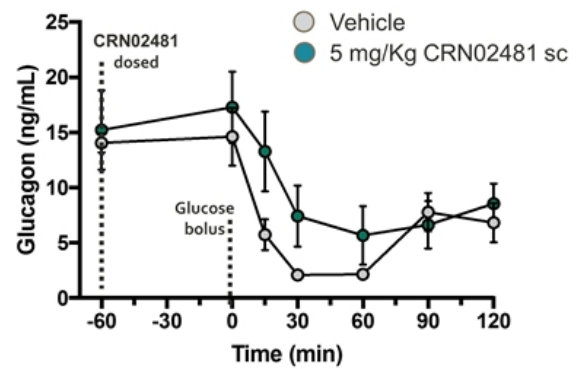


- Glyb + 10 mg/Kg CRN02481
- Glyb + 3 mg/Kg CRN02481
- Vehicle
- 30 mg/Kg glyburide

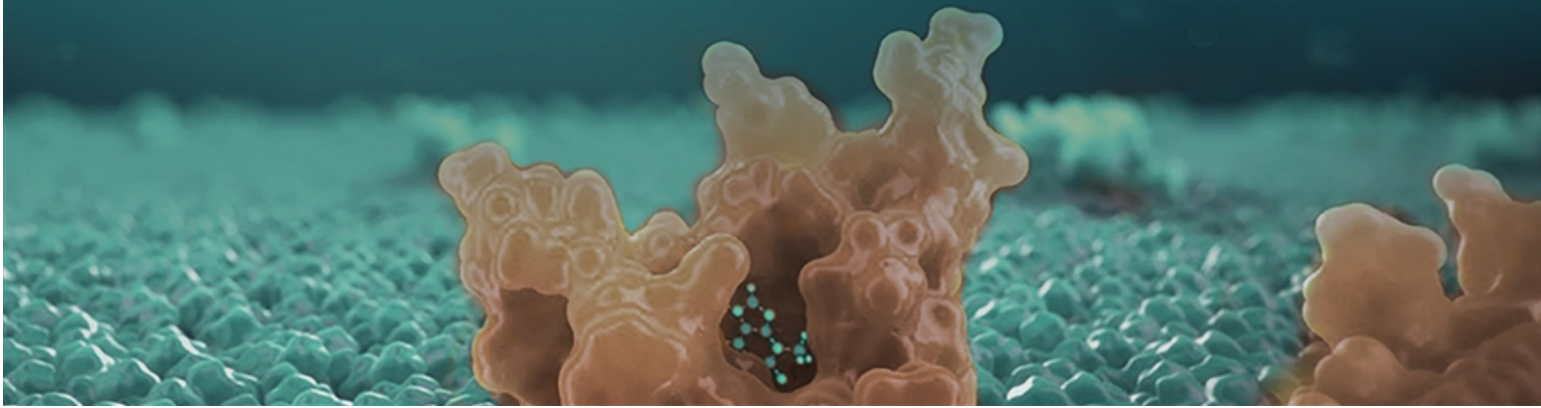
In an OGTT, CRN02481 suppressed insulin...



...while maintaining glucagon levels

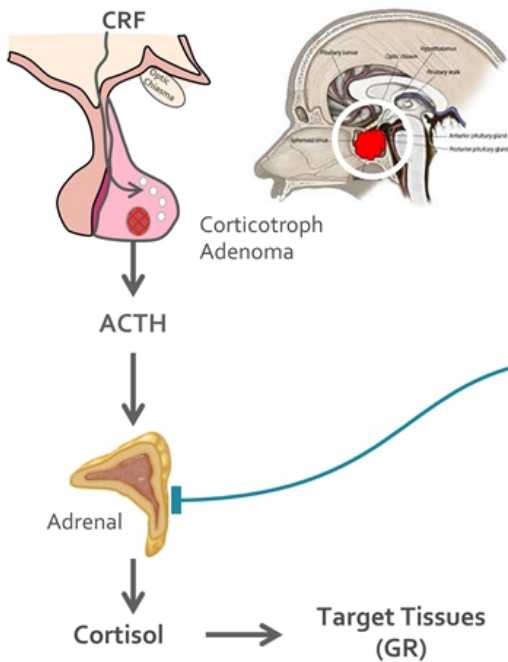


# Cushing's Disease




# Cushing's disease overview

Cushing's disease is caused by a benign pituitary adenoma with **excess adrenocorticotrophic hormone (ACTH) secretion, resulting in excess cortisol**



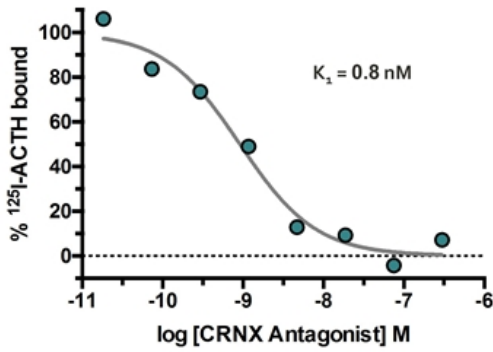
Standardized Mortality Ratio = 2.4  
(95% CI, 1.2-3.9)

Source: Dekkers et al (2007) 1210, 2006-2012

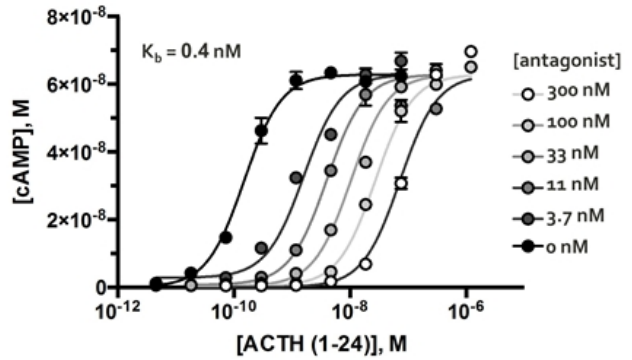
TARGET	EXAMPLES	ISSUES / OPPORTUNITIES
SST <sub>5</sub> Agonist	Pasireotide	Limited Efficacy Hyperglycemia
CRF Antagonist	NBI-74788 SPR001	For CAH only
<b>ACTH Antagonist</b>		<b>Potential best-in-class mechanism</b> <b>Potential for CAH &amp; other diseases of ACTH excess</b>
Cortisol Synthesis Inhibitors	Metyrapone Ketoconazole LCI-699 ATR101	Loss of negative feedback Adrenal insufficiency Hyperandrogenism
Glucocorticoid Receptor Antagonists	Mifepristone	Difficult to dose and monitor Anti-progesterone activity

# A prototype antagonist of ACTH with high potency in vitro observed in preclinical studies

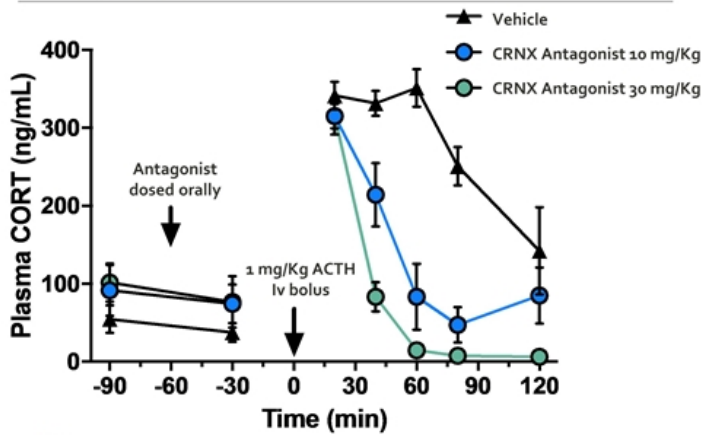
## Competition radio-ligand binding assay



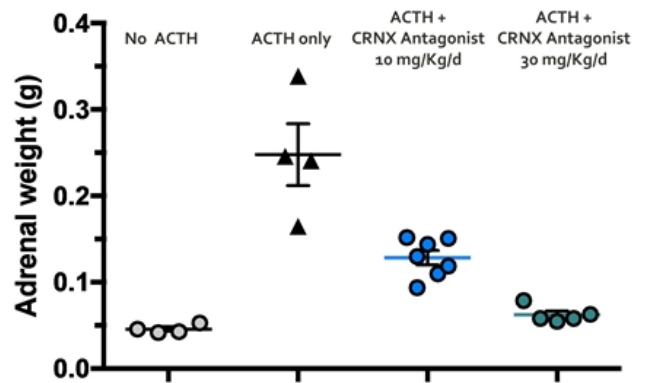
## Schild analysis of functional antagonism



## In vivo POC: acute suppression of ACTH-induced corticosterone in rats



## In vivo POC: repeat antagonist dosing (7d) rescues adrenal hypertrophy from chronic ACTH infusion



# Financial Overview

## Strong financial position

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- **\$174.8 million pro forma cash and cash equivalents based on**

- \$68.4 million in cash and cash equivalents as of June 30, 2018

- \$106.4 million net proceeds from IPO in July 2018

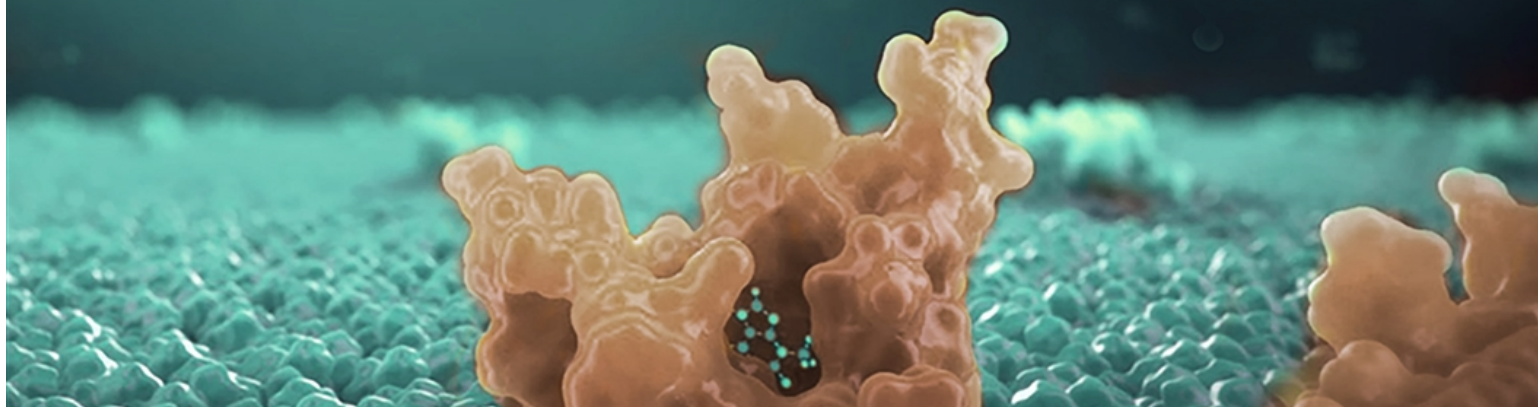
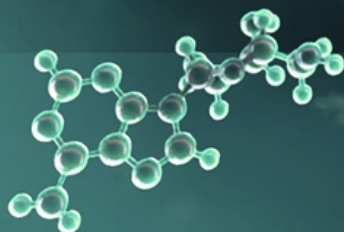
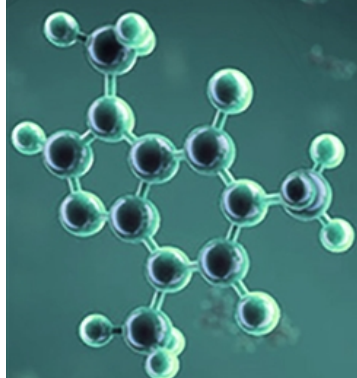
- **No debt**

- **24,024,231 common shares outstanding as of August 24, 2018**












# Directors and Advisory Board

## BOARD OF DIRECTORS

<b>Wendell Wierenga, PhD</b>	Chairman (Former EVP R&D, Santarus)				
<b>Scott Struthers, PhD</b>	Founder & CEO				
<b>Mason Freeman, MD</b>	Venture Partner, 5AM; Endocrinologist at MGH				
<b>Steve Kaldor, PhD</b>	Former CEO, Quanticel				 
<b>Matt Fust</b>	Former CFO, Onyx				
<b>Jack Nielsen</b>	Managing Director, Vivo Capital				
<b>Weston Nichols, PhD</b>	Analyst, Perceptive Advisors				

## SCIENTIFIC ADVISORY BOARD

<b>David Clemmons, MD</b>	Professor of Medicine at UNC, Chapel Hill			
<b>Anne Klibanski, MD</b>	Chief of Neuroendocrine Unit at MGH & Professor of Medicine at Harvard	