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

FORM 8-K/A

CURRENT REPORT

Pursuant to Section 13 or 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 9, 2018

Cocrystal Pharma, Inc.

(Exact name of registrant as specified in its charter)

Delaware (State or other Jurisdiction of Incorporation)	000-55158 (Commission File Number)	35-2528215 (IRS Employer Identification No.)
1860 Montreal Rd, Tucker, GA (Address of principal executive offices)	30084 (Zip Code)	

Registrant's telephone number, including area code: (678) 892-8800

(Former name or former address, if changed since last report.):

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 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2).

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. ☐

EXPLANATORY NOTE

This Form 8-K/A is being furnished to amend the Current Report on Form 8-K furnished by Cocrystal Pharma, Inc. (the “Company”) on April 3, 2018. The sole purpose of the amendment is to update and clarify certain information in the investor presentation furnished as Exhibit 99.1 to the original Form 8-K.

Item 7.01 Regulation FD Disclosure

A copy of the Company’s investor presentation is being furnished as Exhibit 99.1 hereto and is hereby incorporated by reference.

The information in this Current Report on Form 8-K (including exhibits hereto) 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 under such section, and shall not be deemed to be incorporated by reference into any filing of the Company under the Securities Act of 1933, as amended, or the Exchange Act.

Item 9.01 Financial Statements and Exhibits

(d) Exhibits.

Exhibit	Description
99.1	<u>Cocrystal Pharma, Inc. Investor Presentation, dated April 2018</u>

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.

Cocrystal Pharma, Inc.

Date: April 9, 2018

By: /s/ James Martin

Name: James Martin

Title: Chief Financial Officer



Antiviral Therapies

Corporate Presentation
April 2018

NASDAQ: COCP

www.cocrystalpharma.com

Forward Looking Statements

This presentation contains forward-looking statements, the anticipated timing of our drug development programs, including near-term milestones, and anticipated completion or initiation of studies, IND filings, and opportunities in the hepatitis C and influenza antiviral markets. Forward-looking statements also are prefaced by words such as "expect," "plan," "intend," "anticipate," and similar words. Forward-looking statements are based on our current expectations and assumptions regarding our business, the economy and other future conditions. Because forward-looking statements relate to the future, they are subject to inherent uncertainties, risks and changes in circumstances that are difficult to predict. Our actual results may differ materially from those contemplated by the forward-looking statements for a variety of reasons, including delays in manufacturing created by third parties, the ability of clinical research organizations to recruit patients, and the failure to obtain adequate financing to fund our programs. Also see the risk factors contained in our Form 10-K for the year ended December 31, 2017. We caution you, therefore, against relying on any of these forward-looking statements. They are neither statements of historical fact nor guarantees or assurances of future performance. We do not intend to nor do we undertake any duty to update these forward-looking statements.

Corporate Overview

Highlights

Clinical Stage Antiviral Company

Wholly Owned Product Portfolio

Proprietary Drug Discovery Platform

Target Diseases

Hepatitis


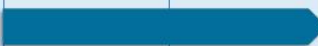




Influenza

Norovirus
Gastroenteritis

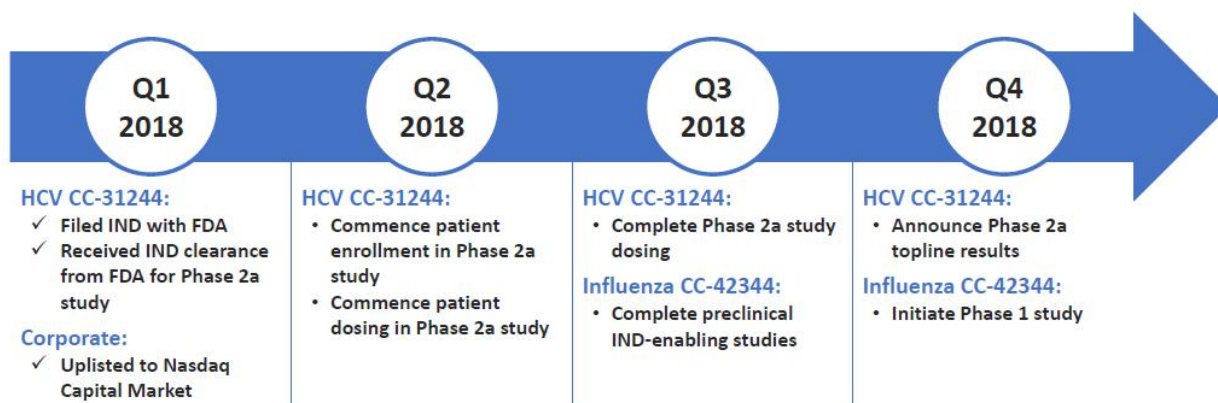
Investment Highlights

- Nobel Prize winning expertise leveraged to design first- and best-in-class antiviral drug candidates addressing well established and growing markets
- Lead program CC-31244 for the treatment of hepatitis C infection entering Phase 2a in Q2 2018
 - Received IND clearance from FDA in Q1 2018
 - Topline data expected before year end
 - Exploring partnering opportunities in strategic territories
- Influenza candidate, CC-42344 is a novel PB2 inhibitor scheduled to enter Phase 1 in Q4 2018 for the treatment of influenza
 - Shown excellent antiviral activity against influenza A strains, including avian pandemic strains and Tamiflu resistant strains
- Company positioned to achieve multiple clinical and regulatory milestones in the near-term
- Recently uplisted to Nasdaq Capital Market

Robust Development Pipeline

Program		Discovery	Preclinical	Phase 1	Phase 2	Phase 3
Hepatitis C (HCV)	CC-31244 (Pan-genotypic NS5B NNI)					
	CC-2850 (Pan-genotypic NS5B Nuc)					
	CC-2069 (Pan-genotypic NS5A inhibitor)					
Influenza	CC-42344 (Influenza A PB2 inhibitor)					
	Influenza A/B inhibitor					
Norovirus	Noro Polymerase Inhibitor					

Near-Term Milestones Expected to Drive Value



Seasoned Management Team

Gary Wilcox, Ph.D.

Vice Chairman and Chief Executive Officer

Over 35 years of executive biotech leadership experience and played a key role in the development of Cialis



Sam Lee, Ph.D.

President

20 years of anti-infective drug discovery research experience and played a key role in the early development of phosphoinositide 3-kinase (PI3K) delta inhibitors



James J. Martin, MBA, CPA

Chief Financial Officer

25 years of finance and management experience including providing financial leadership to commercial-stage, publicly traded health science companies

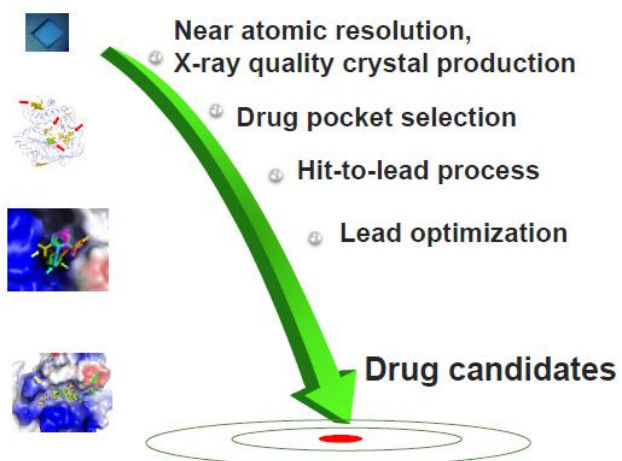


Board of Directors

Raymond F. Schinazi, Ph.D. <i>Chairman</i>	Frances Winship Walters Professor of Pediatrics, Director, Laboratory of Biochemical Pharmacology and Director, HIV Cure Scientific Working Group at Emory University
Gary Wilcox, Ph.D. <i>Vice Chairman and Chief Executive Officer</i>	Vice Chairman and Chief Executive Officer, Cocystal Pharma, Inc.
David S. Block, M.D. <i>Director</i>	President and Chief Executive Officer of Gliknik Inc.
Phillip Frost, M.D. <i>Director</i>	Chairman and CEO of OPKO Health, Inc.
Jane Hsiao, Ph.D. <i>Director</i>	Vice Chairman and Chief Technical Officer of OPKO Health, Inc.
Steve Rubin <i>Director</i>	Executive Vice President-Administration and a director of OPKO Health, Inc.

Cocrystal Technology

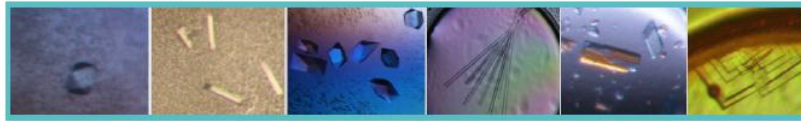
Nobel Prize Winning Technology



CC-31244: Broad Spectrum HCV NNI

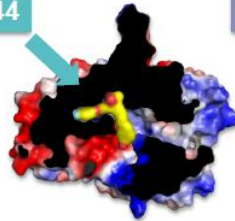
Demonstration of Cocrystal's Enabling Technology

HCV GT1 – GT6 NS5B polymerase crystals



CC-31244

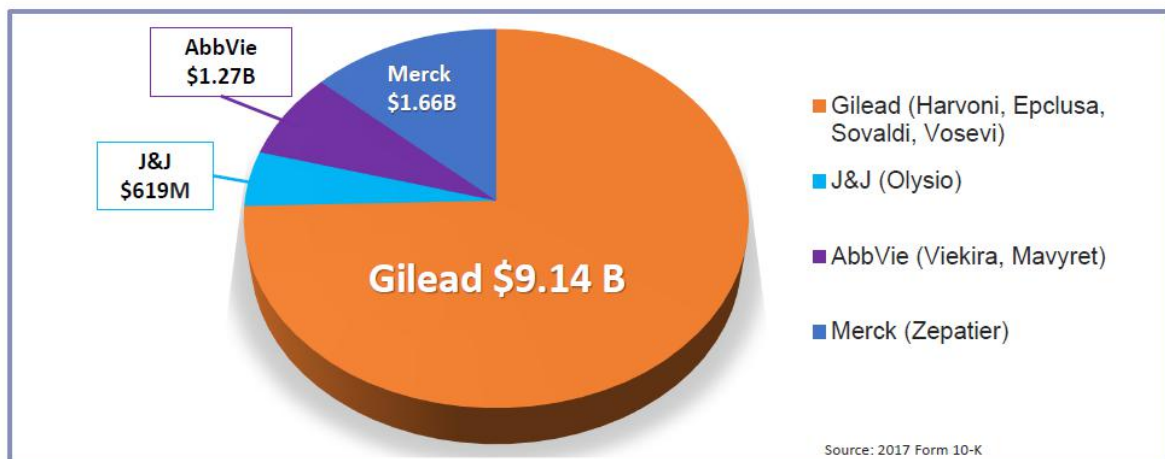
HCV NS5B polymerase



Proven track record for broad spectrum antiviral leads

Hepatitis C Treatment Market Share

2017 Annual Sales, \$12.69 Billion



AbbVie's Mavyret Demonstrated a Shorter Treatment: From 12 Weeks To 8 Weeks

Approved broad spectrum HCV combination therapy

Nuc + NS5A inhibitor



Gilead's EPCLUSA
(sofosbuvir 400mg/
velpatasvir 100 mg)
12-week treatment
Approved June 2016

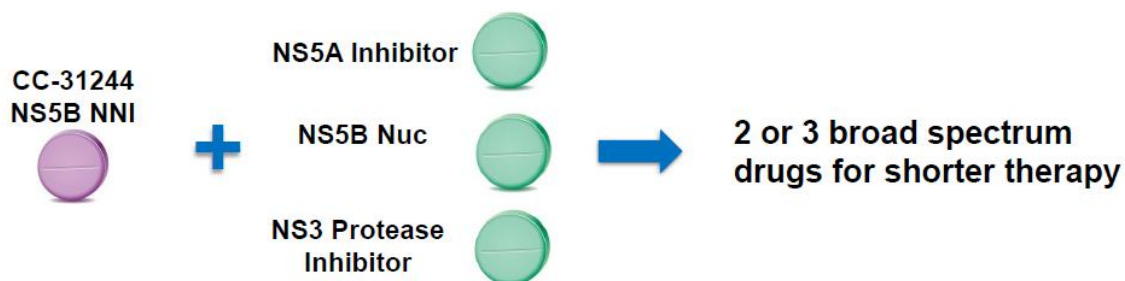
PI + NS5A inhibitor



AbbVie's Mavyret
(glecaprevir 100 mg/
pibrentasvir 40 mg)
8-week treatment
Approved August 2017

Cocrystal's HCV Strategy: Shorter Combination Therapy

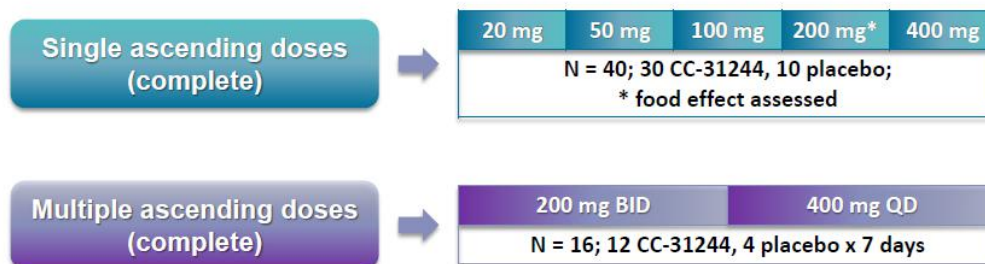
Multiple opportunities in developing shorter
combination therapy with approved HCV drugs



Cocrystal's Next Wave Combination Therapy: CC-31244 with Approved HCV Drugs

- Potential best-in-class HCV NNI with a strong profile
 - Broad spectrum, potent NS5B polymerase inhibitor
 - Developed by Cocrystal's proprietary structure-based discovery platform
 - High barrier to drug resistance
 - Effective against known NNI drug resistant variants
 - Liver targeting
- Acceptable safety and efficacy profiles in Phase 1 studies
- Potential for a shorter therapy with existing HCV combination therapy
- Received IND clearance from FDA in Q1 2018
- Phase 2a scheduled to commence Q2 2018

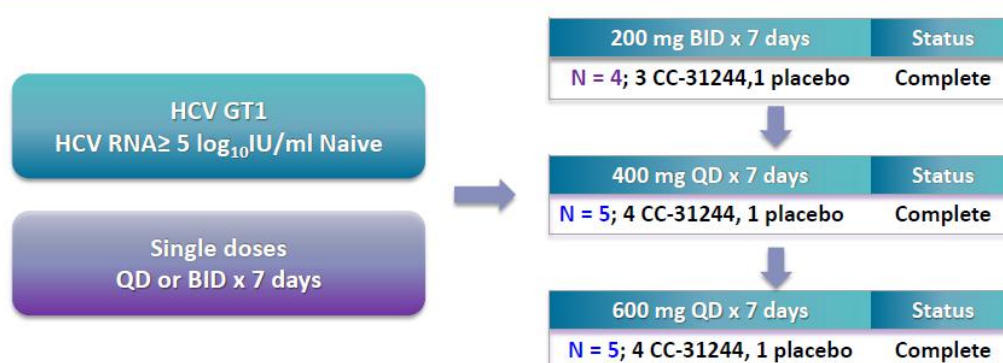
Phase 1a Study Completed



Endpoints

- Safety: adverse events (AEs) and laboratory abnormalities

Phase 1b Study Completed

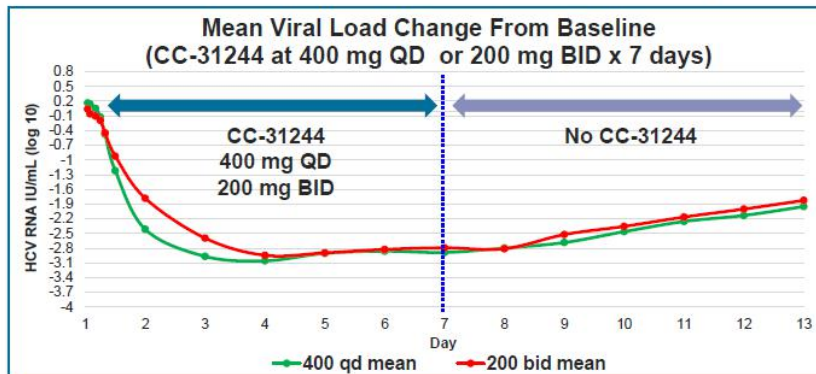


Endpoints

- Efficacy: changes in HCV RNA viral load
- Safety: adverse events (AEs) and laboratory abnormalities

Superior Viral Load Reduction

- HCV RNA viral load decline of 3 logs by 48 hours
- After the NNI treatment, the viral load levels were slowly increased



Best-in-Class Potential of Any NNI

Drug	Genotype	Dose (mg)	Treatment Duration (days)	Viral load reduction (Log ₁₀ IU/ml)
CC-31244 ←	Genotype 1-6 ←	400 ←	7 (QD)	-3.0
ABT-333* (Dasabuvir)	Genotype 1	400	3 (BID)	-1.08
		800	3 (BID)	-0.95
GS-9190 (Tegobuvir)	Genotype 1	40	3 (BID)	-1.0
		120	3 (BID)	-1.5

(* : approved DAA)

CC-31244 Phase 2a Study Design

- An open-label, Phase 2a study evaluating the safety, tolerability and preliminary efficacy of CC-31244 with approved HCV DAAs



- Endpoints
 - Efficacy: changes in HCV RNA viral load
 - Safety: adverse events (AEs) and laboratory abnormalities
- Expect to commence patient enrollment in Q2 2018

HCV Summary and Conclusion

- Showed an acceptable safety profile in both healthy volunteers and GT1 patients up to 400 mg x 7 days
- No serious adverse events or discontinuations due to adverse events
- Demonstrated HCV RNA viral load reduction of ~ 3 logs by 48 hours
- Demonstrated a sustained post-treatment antiviral effect after the 7-day treatment
- Potential to be an important DAA in shorter HCV combination regimens

New Antivirals For Influenza



- High mortality rate:
 - 1918 Spanish Flu, 20-100 million deaths
 - 1957 Asian Flu, 1-1.5 million deaths
 - 1968 Hong Kong Flu, 0.75-1 million deaths
 - 2009 Swine Flu, 0.15-0.5 million deaths
- Emerging influenza viruses
 - Highly virulent avian influenza viruses
 - Tamiflu-resistant influenza viruses
- Delayed vaccine development

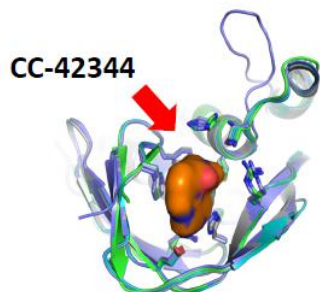
Great Opportunity in Influenza Antiviral Market

- Seasonal and pandemic infection
 - 3-5 million cases of severe illness per year
 - 250,000 – 500,000 deaths worldwide*
- Approved influenza therapies have major limitation
- Multiple product routes of delivery, inhalation, oral, and intravenous (IV)
- Stock piling and prophylactic market in addition to standard of care

*Reference: <https://www.cdc.gov/flu/about/disease/burden>

Influenza A Preclinical Lead CC-42344

Influenza Crystals



- Potent and favorable PK profiles
- Excellent anti-influenza activity against pandemic, seasonal, and Tamiflu resistant influenza strains
- Binds a highly conserved site
- Novel mechanism of action
- IND filing scheduled in 2018

Early Stage Programs

- Influenza A/B Inhibitor Program
 - Influenza cocrystals developed
 - Structure-based lead discovery ongoing
 - IND filing in 2019
- Noro Polymerase Inhibitor
 - Structure-based NNI discovery ongoing
 - Multiple polymerase crystals developed
 - Noro nucleoside lead discovery ongoing
 - IND filing in 2019

Cocrystal-HitGen-InterX Collaboration: Aimed at Rapid Lead Discovery Process



- Combines synergistic drug discovery platforms developed by Cocrystal-HitGen-InterX
- Break through hit-to-lead process
- High quality novel leads will be developed

Selected Value Indicators Suggest Potential Significant Upside

Company Name	Ticker	Market Cap (M)*	Overview	Status
Arrowhead Pharmaceuticals	ARWR	\$626	Develops medicines to treat intractable diseases by silencing the genes that cause them	2 Phase 1 6 Preclinical
Arbutus BioPharma	ABUS	\$275	Biopharmaceutical company developing a cure for patients suffering from chronic hepatitis B infection	1 Phase 2 2 Preclinical 3 Discovery
Chimerix	CMRX	\$248	Developing novel antivirals for the growing population of immunocompromised patients,	1 Phase 3 2 Phase 2 1 Phase 1
Sinovac Biotech	SVA	\$491	Biopharmaceutical company that develops vaccines that protect against human infectious diseases	1 NDA post Phase 3 preliminary data 1 IND approval 2 IND filed
Spring Bank Pharmaceuticals	SBPH	\$199	Discovery and development of a novel class of therapeutics using a proprietary small molecule nucleic acid hybrid, or SMNH	2 Phase 2 3 Preclinical

*As of 3/29/2018

Financial Snapshot – Nasdaq: COCP

\$145MM

Market cap*

24.4MM

Common shares
outstanding

7.7K

3 month average
daily volume*

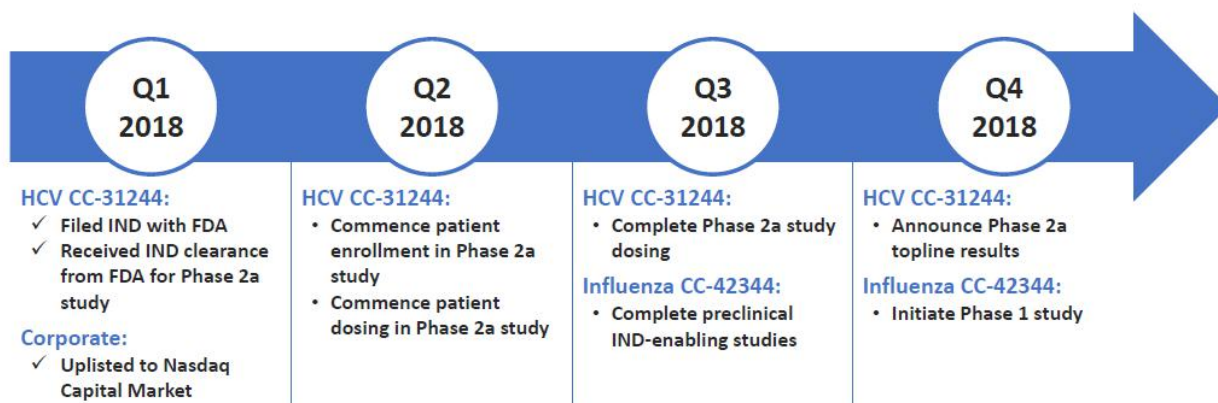
* Based on March 28, 2018 closing price of \$5.95 per share

COCP Capitalization Table

Capitalization Table (As of 12/31/2017)	# of Shares	WAEP	\$ Value	% of Fully Diluted
Common Shares Outstanding (Directors & Officers)	14,420,436			56.68%
Common Shares Outstanding (Other)	9,854,058			38.73%
Warrants	209,166	\$15.00	\$3,137,490	0.82%
Stock Options	711,308	\$8.39	\$5,967,874	2.80%
Convertible Notes*	246,914	\$8.10	\$2,000,000	0.97%
Fully Diluted Shares Outstanding	25,441,882			100%

* Converts to common stock at the lesser of \$8.10 per share or the price of future financing > \$10M. \$ value shown as principal only.
Includes \$1M note issued by Opko Health, Inc on January 31, 2018.

Near-Term Milestones Expected to Drive Value



Thank You!



NASDAQ: COCP

www.cocrystalpharma.com

Appendix

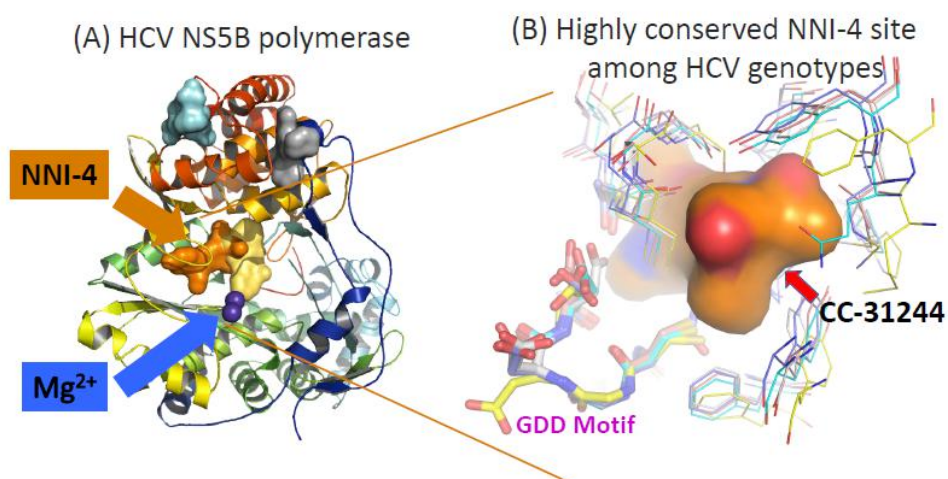
Scientific Advisors

Roger Kornberg, Ph.D. <i>Chief Scientist, Chairman of Scientific Advisory Board</i>	Professor of Structural Biology at Stanford University School of Medicine. Nobel Laureate in Chemistry, Member of the National Academy of Sciences, and the American Academy of Arts and Sciences
Michael Levitt, Ph.D.	Stanford University School of Medicine. Professor, Department of Structural Biology. Nobel Laureate in Chemistry, Member of the National Academy Sciences, and fellow of the Royal Society, London
Baek Kim, Ph.D.	Director of Center for Drug Discovery, Professor of Pediatrics, Department of Pediatrics, Emory School of Medicine. Clinical and Translational Science and HIV/HSV Pathogenesis
Bob Lehman, Ph.D.	Stanford University School of Medicine. Professor, Department of Biochemistry. Member of the National Academy Sciences
Gary Schoolnik, M.D.	Stanford University School of Medicine. Professor & Chief, Division of Geographic Medicine & Infectious Diseases; Professor, Microbiology & Immunology
Roland Strong, Ph.D.	Fred Hutchinson Cancer Research Center. Professor, Department of Structural Biology
Christophe Verlinde, Ph.D.	University of Washington. Associate Professor, Department of Structural Biology

Cocrystal Patent Portfolio

- HCV: 15 patents including three PCT applications
- Influenza: 2 patent applications filed
- Noro: patent application(s) will be filed in 2018

CC-31244 Binds To a Highly Conserved Drug Binding Site (NNI-4) of NS5B Polymerase



CC-31244: Pan-genotypic NS5B NNI

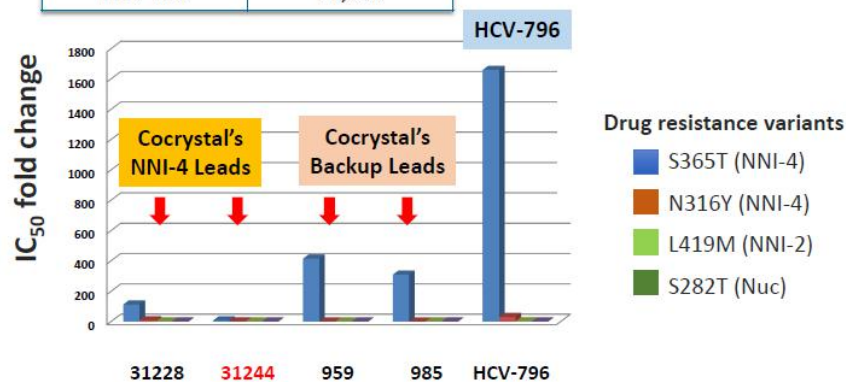
- CC-31244 HCV replicon EC_{50} fold change, <6 fold

HCV replicon/chimeric replicon EC_{50} results

Genotype	CDI-31244 EC_{50} , mM	EC_{50} Fold change	Sofosbuvir EC_{50} , mM	EC_{50} fold change
1b	0.005	1.0	0.042	1.0
1a	0.009	1.8	0.034	0.8
2b	0.026	5.2	0.028	0.66
3a	0.011	2.2	0.14	3.2
4a	0.021	4.2	0.047	1.1
5a	0.002	0.4	0.075	1.7



CC-31244 Exhibits Excellent Activity Against Common NNI and Nuc Drug Resistant Variants

NNI	IC ₅₀ fold change
CC-31244	<5
HCV-796	>1,500

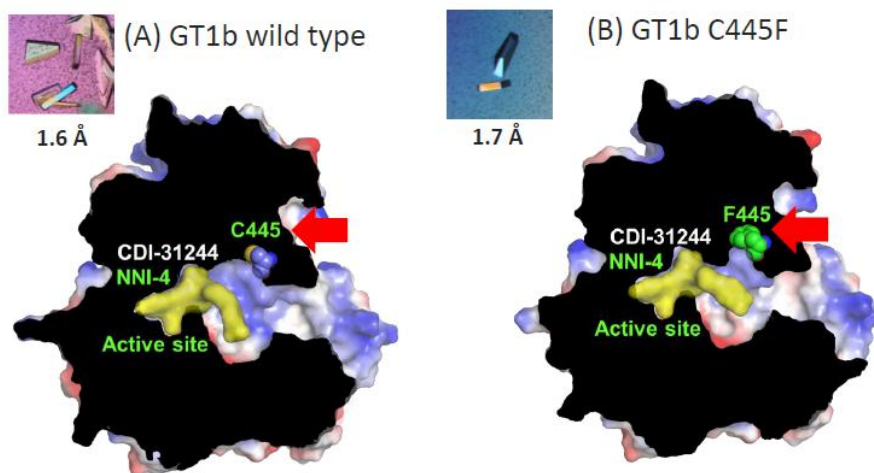


GT1b NS5B C445F: The Major Drug Resistance Variant of CC-31244

- HCV GT1b replicons containing NS5B variants identified by CC-31244 resistant colony selection

HCV replicon	GT1b C445F/S549G EC ₅₀ μ M	GT1b EC ₅₀ μ M	EC ₅₀ fold change
CC-31244	0.08	0.005	16 
Purified NS5B polymerase	GT1b C445F IC ₅₀ μ M	GT1b IC ₅₀ μ M	IC ₅₀ fold change
CC-31244	0.23	0.24	0.94 

CC-31244 Binding Mode: GT1b Drug Resistant NS5B C445F



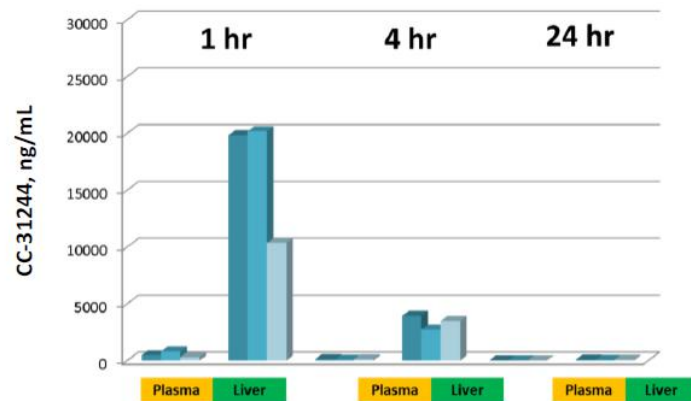
CC-31244 Exhibits Excellent Liver Targeting

Rat liver study

Avg: 27 μ M
(x5,400 EC50)

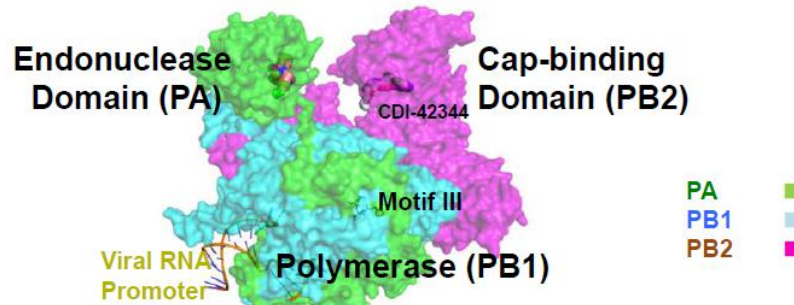
Avg: 5.44 μ M
(x1,088 EC50)

Avg: 0.124 μ M
(x24.8 EC50)



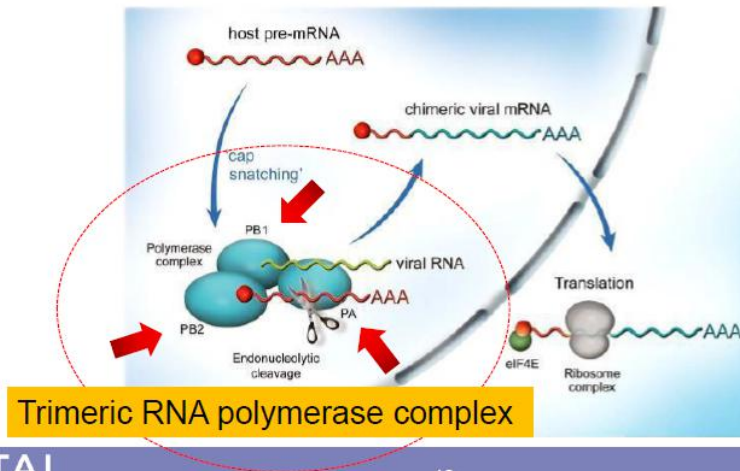
Cocrystal Influenza Program

- Influenza A PB2 lead, CC-42344: IND filing scheduled in 2018
- Influenza A/B PA: Discovery stage



Polymerase Complex (PB2:PA:pb1) Is Essential For Influenza Viral Replication

- Polymerase: cap binding (PB2) + endonuclease (PA) + polymerase (PB1)



CC-42344 Met Preclinical Lead Selection Criteria


Properties	Selection criteria
Pharmacological properties	<ul style="list-style-type: none"><input type="checkbox"/> Good antiviral activity (EC50, single digit nanomolar)<input type="checkbox"/> High-affinity binding to a highly conserved drug binding site<input type="checkbox"/> Broad spectrum against seasonal and pandemic influenza strains<input type="checkbox"/> Excellent antiviral activity against Tamiflu resistant influenza strains<input type="checkbox"/> Selective
Pharmacokinetics	<ul style="list-style-type: none"><input type="checkbox"/> Favorable PK properties<input type="checkbox"/> Adequate half-time and biodistribution<input type="checkbox"/> Potential for inhalation, oral, and IV administration
Chemical properties	<ul style="list-style-type: none"><input type="checkbox"/> Stable molecule<input type="checkbox"/> Suitable for API scale up and manufacturing
Safety and toxicity	<ul style="list-style-type: none"><input type="checkbox"/> Excellent profile for ADMET<input type="checkbox"/> Absence of obvious cytotoxicity and cardiac toxicity<input type="checkbox"/> Absence of obvious toxicity in animal studies

Approved Influenza Antivirals

Antiviral	Developer	MOA/Dosing
Oseltamivir (Tamiflu)	Gilead/ Genentech	Oral neuraminidase Inhibitor/75 mg bid for five days
Zanamivir (Relenza)	Biota/ GSK	Inhaled neuraminidase inhibitor/ 5 mg inhalation bid for five days
Peramivir (Rapivab)	Biocryst/ Shionogi	A single-dose intravenous neuraminidase inhibitor/600 mg IV
Favipiravir (Avigan, T-705) (Approved in Japan)	Toyama	Nuc, polymerase inhibitor/1,200 mg bid, followed by 600 mg bid for five days
Baloxavir marboxil (Xofluza, S-033188) (Approved in Japan)	Shionogi/ Roche	Oral PA (endonuclease) inhibitor/ 80 mg orally once

Influenza Clinical Landscape: CC-42344 Can Be Developed For Inhalation, IV, and Oral

- Key players: J&J (PB2 and PA) AND Shionogi/Roche (PA)
- Other companies: Merck, Gilead, and Novartis

Antiviral	Developer	Route	Stage	MOA/Indication
Pimodivir (VX-787 or JNJ-636233872)	J&J	Oral (600 mg/ twice-daily)	Phase 2	PB2 inhibitor/ Influenza A
S-033188	Shionogi/ Roche	Oral (80 mg/ Once-daily)	Approved in Japan	PA inhibitor/ Influenza A&B
AL-794	J&J	Oral (50, 150 mg/ twice-daily)	Phase 1	PA inhibitor/ Influenza A&B
 CC-42344	COCPharma	Inhalation, Intravenous, Oral	Preclinical	PB2 inhibitor/ Influenza A

In Vitro Potency Comparison: Cocrystal's Leads vs VX-787

Influenza strain	J&J	Cocrystal Preclinical Lead		Cocrystal's backup PB2 inhibitors			
	VX-787 EC50 nM	42344 EC50 nM	42343 EC50 nM	42487 EC50 nM	42500 EC50 nM	42530 EC50 nM	42534 EC50 nM
Pandemic H1N1 Influenza A/CA/07/2009	2.4	0.12	5	0.9	2.7	ND	ND
H1N1 Influenza PR/8/34	1	1	1.2	1.2	2	0.5	5
Pandemic H5N1 Influenza A/VN/1193/ 2004	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2

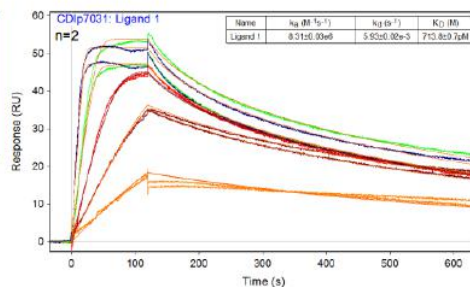
CC-42344 Shows Broad Spectrum Antiviral Activity Against Pandemic Influenza Strains

Influenza Serotype	Strain	CC-42344 EC50, nM	VX-787 EC50, nM
H5N1	Duck/MN/1524/81	8.6	0.07
H5N1- Amantadine resistant	Duck/MN/1524/81	<3.2	<3.2
H5N1	Gull/PA/4175/83	4.5	0.17
H5N1	Hong Kong/213/2003	<3.2	<3.2
H5N1	Thailand/16/2004	<3.2	<3.2
H5N1	A/VN/1194/2004	1.3	6.6
H7N7	Netherlands/219/2013	5.6	<3.2
H7N9	Shanghai/2/2013	5.4	<3.2
H7N9	Anhui/1/2013	<3.2	<3.2
H7N9	Taiwan/1/2013	<3.2	<3.2

CC-42344 Exhibits Greater Affinity Than VX-787

- Highly sensitive biophysical method (SPR technology) was applied to determine the affinity (K_D) of CC-42344 to the PB2 protein

Compound ID	K_D
VX-787	37.4 nM
CC-42344	9.90 nM



Sample H1N1 Sensorgram data

