CUMBERLAND®
PHARMACEUTICALS

Investor Presentation

Nasdaq CPIX

Safe Harbor Statement

This presentation contains forward-looking statements concerning our approved products and product development, our technology, our competitors, our intellectual property, our financial condition and our plans for research and development programs that involve risks, uncertainties and assumptions. These statements are based on the current estimates and assumptions of the management of Cumberland Pharmaceuticals as of the date of this presentation and are subject to uncertainty and changes in circumstances. Given these uncertainties, you should not place undue reliance upon these forward-looking statements. Such forward-looking statements are subject to risks, uncertainties, assumptions and other factors that may cause the actual results of Cumberland Pharmaceuticals to be materially different from those reflected in such forward-looking statements.

Important factors that could cause actual results to differ materially from those indicated by such forward-looking statements include, among others, those set forth under the headings "Risk factors" and "Management's discussion and analysis of financial condition and results of operations" in our Form 10-K and Form 10-Q Reports on file with the SEC. The Company does not undertake any obligation to release publicly any revisions to these forward-looking statements to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events. All statements contained in this presentation are made only as of the date of this presentation. For more information on our brands, including full prescribing and safety information, please see the links to the product websites which can be found at www.cumberlandpharma.com.

Company Overview

- **Specialty pharmaceutical company**
  - Portfolio of **six** FDA approved products
  - Promoted by **two** national sales forces
- Several **near-term catalysts** for new growth opportunities
  - **Vibativ** post-acquisition integration and market expansion
  - **Next Generation Caldolor** product
  - **RediTrex** methotrexate product line
- **Four Phase II products** in development with upcoming study milestones
- Proven record of **successful** product development and product acquisition
- **Strong financial position** and positive net cash flows from operations

Strategy & Mission

Strategy: *Build a portfolio of Branded Pharmaceutical Products*

Product Development:

IV ACETADOTE®

CALDOLOR®

KRISTALOSE®

Omeclamox-Pak®

Product Acquisition:

Vaprisol®

VIBATIV®
(telavancin) for injection

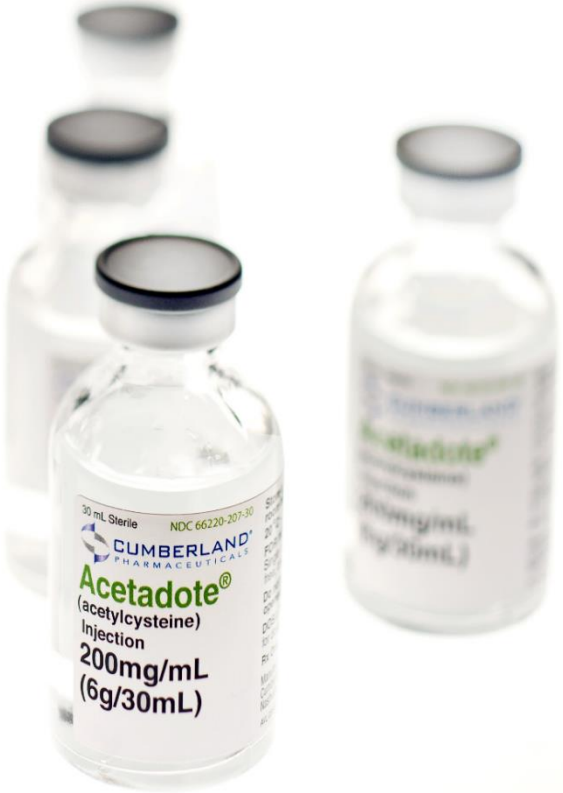
Mission: *Advance Patient Care through delivery of high quality medicines*

Strategic Review

- **In early 2019, we initiated a strategic review of our products, partners and organization to ensure we have the proper focus and capabilities. As a result:**
  - WinHealth Pharmaceuticals has licensed our **Acetadote** and **Caldolor** brands in China.
  - We will return the U.S. licenses to **Ethyol** and **Totect** in order to focus our sales efforts on our three key hospital acute care brands.
  - **We have expanded** our medical, marketing and sales organization to ensure coverage and support for the majority of our acute care business.
  - We finalized **Vibativ** agreements with Hikma Pharmaceuticals for the Middle East, R. Pharma for Russia, DB Pharm for South Korea, and Dr. Reddy's Laboratories for India.

IV ACETADOTE®

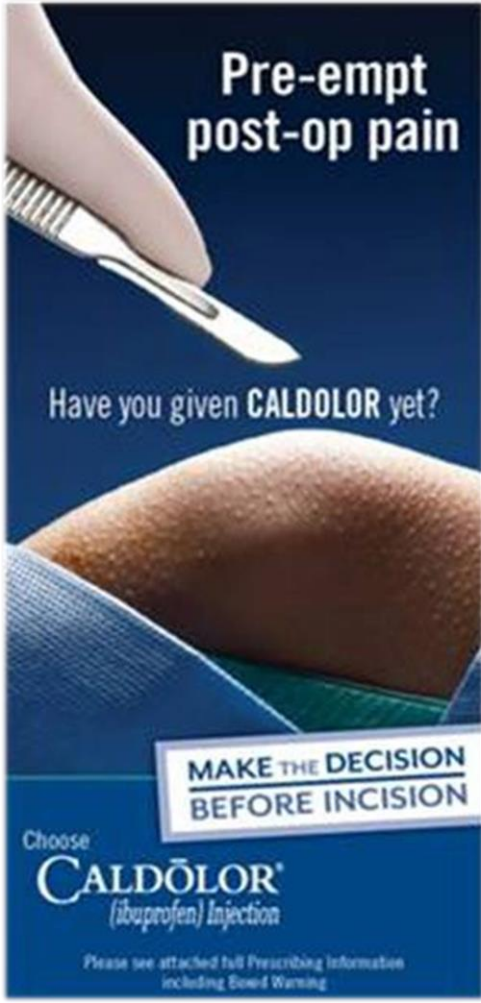
- IV treatment for **acetaminophen overdose**
- Developed and registered by **Cumberland**
- Acetaminophen is the **leading cause of poisoning in the U.S.***
- Acetadote now **standard of care**
- Cumberland offers both Brand and Authorized Generic
- Favorable court rulings upholding patents
- Maintaining **significant market share**



National Poison Data System, American Association of Poison Centers

CALDOLOR®

- Patented, **injectable formulation of ibuprofen**
- Developed and registered by **Cumberland**
- **First injectable** approved in the US for pain & fever
- Unresolved pain remains **leading cause for hospital readmissions,** with a total **market potential of over 700M units***
- Significant data supports pre-op management of inflammation
- **Pediatric labeling** approved by FDA and launched
- **Next Generation** product approved and prepping for launch



*Symphony Source Health

KRISTALOSE®

(lactulose) For Oral Solution

- **Unique** crystalline formulation of lactulose
- Prescription strength laxative
- **Clinically proven** increases in patient satisfaction
- Acquired from Mylan Laboratories
- Repositioned to reflect **branded status**
- New pricing allowed co-pay support
- Expanding **Managed Care coverage**

Commercial Portfolio Expansion Strategy

IDENTIFY
Late Stage Candidates

ACQUIRE
Under-Promoted, Approved Brands

EXPAND
Existing Products

DEVELOP
Early-Stage Candidates

PRODUCT PORTFOLIO

Acquisition Initiative

GOAL TO ADD ONE NEW PRODUCT PER YEAR

through business development initiative or internal product development

Active, ongoing initiative to identify, evaluate and acquire/license **new products** into the portfolio

Source opportunities through direct efforts and intermediaries

Seek commercial and late stage development assets that fit our **strategy and focus**

- Branded, Rx products in hospital acute care or gastroenterology
- Sales of **$5-25 million or larger** with attractive margins

VIBATIV® (telavancin) for injection

- **Acquired Vibativ®** from Theravance in November 2018
- Financial terms included:
  - $20MM upfront payment
  - $5MM milestone payment in 2019
  - Double-digit royalty on future net sales
- Transaction included the **global responsibility for** the product
- **FDA-approved** product with **favorable margins**

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VIBATIV®
(telavancin) for injection

- Injectable antibiotic that treat serious, **life-threatening infections**
- **Hospital** product that **aligns well** with our current infrastructure
- Strong potential to **continue brand growth**
- Patent **protection through 2027**
- Established network of **worldwide licensing partners**

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RediTrex™

- **New delivery of methotrexate** designed for the treatment of various forms of **arthritis**
- **Exclusive U.S. rights** through a long-term partnership with the **Nordic Group** (based in Europe)
- **Widely used** throughout Europe with a **strong brand presence**
- The U.S. methotrexate market is seeing **significant growth**
- **FDA submission filed** and accepted for review

Ifetroban Overview

- A **potent, selective** antagonist of thromboxane receptor (TPr)
- **Initially developed by Bristol-Myers Squibb** as an anti-platelet agent
- **Safety is well-established** in 26 clinical studies with **over 1,300 subjects**
- Cumberland is collaborating with Vanderbilt, Harvard, Scripps and other academic centers
- Cumberland successfully manufactures **both IV and oral formulations**

Rationale for Ifetroban

Ifetroban Inhibits The Thromboxane Receptor (TPr):

- Antagonist of smooth muscle contraction, platelet aggregation, and inflammation
- New data also demonstrates impact on fibrosis

→ **Hepatorenal Syndrome:** Renal Vasoconstriction, Liver Inflammation, & Fibrosis

→ **Aspirin Exacerbated Respiratory Disease (AERD):** Airway Constriction, Vasoconstriction, & Cellular Infiltration/Inflammation

→ **Systemic Sclerosis:** Vasoconstriction, Autoimmune Inflammatory Process, & Fibrosis

→ **Portal Hypertension:** Endothelial Dysfunction, Liver Fibrosis, & Inflammation

Ifetroban Development Pipeline

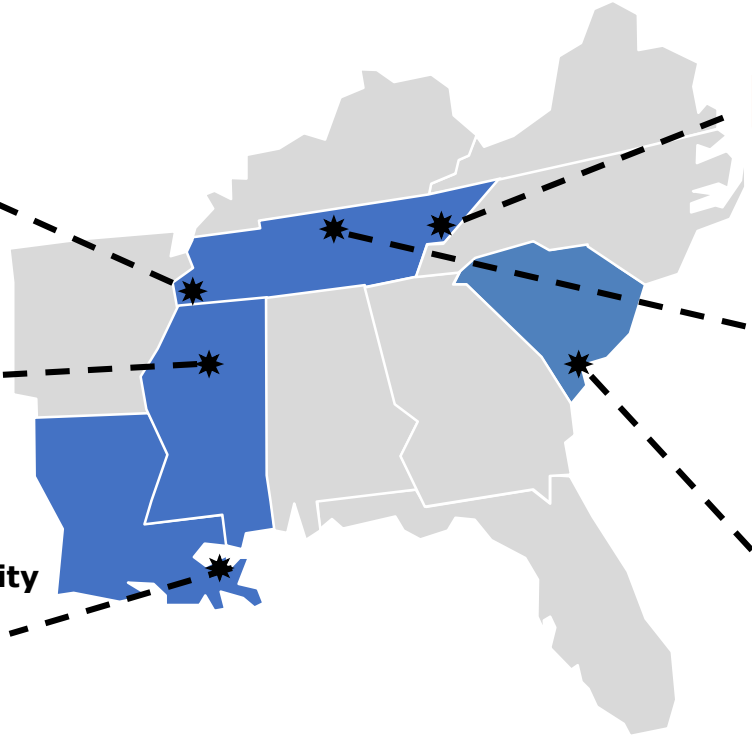
Existing Safety Profile of >1,300 Patients

- Hepatoren® *(hepatorenal syndrome)*
- Boxaban® *(aspirin-exacerbated respiratory disease)*
- Vasculan® *(systemic sclerosis)*
- Portaban® *(portal hypertension)*

Phase II Study Data is Next Milestone

- Anti-inflammatory
- Anti-fibrosis

CET
Cumberland Emerging Technologies



University of Tennessee
Health Science Center
Memphis, TN

University of Mississippi
Oxford / Jackson, MS

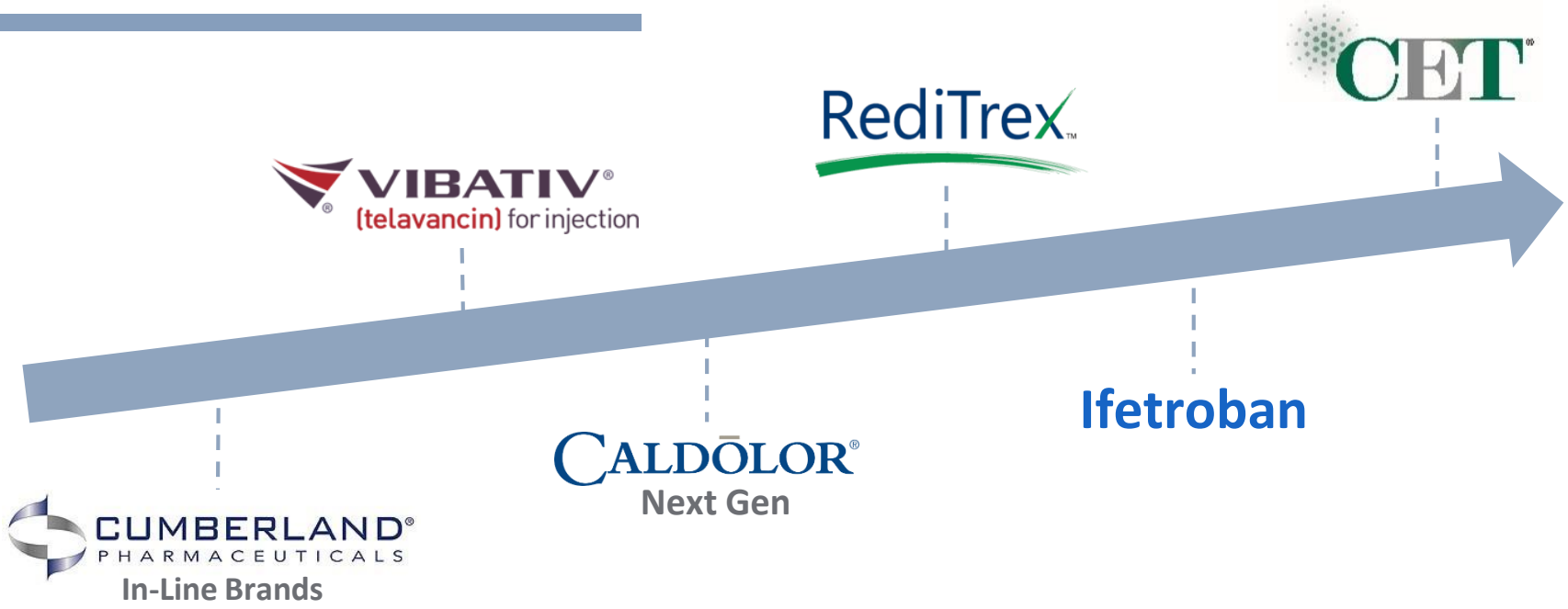
Louisiana State University
Health Sciences
New Orleans, LA

University of Tennessee
Knoxville, TN

Vanderbilt University
Nashville, TN

Medical University of
South Carolina
Charleston, SC

Expanding Our Product Portfolio



Deploying a Multifaceted Strategy to Create Value

Financial Overview

($ in millions, except per diluted share)	**YTD 2019**
Net Revenues	$23.5
Cost of Products Sold	4.0
Gross Profit	**$19.5**
Selling & Marketing	$10.3
Research & Development	2.7
General Administrative	5.2
Amortization	2.1
Operating Income (Loss)	($0.8)
Adjusted Earnings* per diluted share	**$0.22**

**Represents a non-GAAP financial measure.*

Summary
Balance Sheet

($ IN MILLIONS)	*Q2 as of June 30, 2019*
CASH & SECURITIES	$30.4
TOTAL ASSETS	107.5
TOTAL LIABILITIES	53.9
RETAINED EARNINGS	4.1
TOTAL EQUITY	53.7

**Continued Share Repurchase Program*
**Tax carry forward credits of $44 million available*

Cumberland Moving Forward

- Diverse product portfolio **with 6 FDA approved brands**
- Proven **development and commercialization capabilities**
- Various initiatives in place to support **near-term growth**
- **Four Phase II** products in development with upcoming study milestones
- **Strong financial position** with positive net cash flows from operations
- **Valuation gap** given assets, cash, sales, and pipeline

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