

## Cautionary Statement Concerning Forward Looking Statements

This document contains forward-looking statements. In addition, from time to time, we or our representatives may make forward-looking statements orally or in writing. We base these forward-looking statements on our expectations and projections about future events, which we derive from the information currently available to us. Such forward-looking statements relate to future events or our future performance, including: our financial performance and projections; our growth in revenue and earnings; and our business prospects and opportunities. You can identify forward-looking statements by those that are not historical in nature, particularly those that use terminology such as "may," "should," "expects," "anticipates," "contemplates," "believes," "plans," "projected," "predicts," "potential," or "hopes" or the negative of these or similar terms.

In evaluating these forward-looking statements, you should consider various factors, including: our ability to successfully develop and commercialize product candidates, our ability to raise capital when needed, and the competitive environment of our business. These and other factors may cause our actual results to differ materially from any forward-looking statement, including those risk factors disclosed in our Annual Report on Form 10-K for the year ended December 31, 2022 filed with the Securities and Exchange Commission on March 30, 2023. Forward-looking statements are only predictions. The forward-looking events discussed in this document and other statements made from time to time by us or our representatives may not occur, and actual events and results may differ materially and are subject to risks, uncertainties, and assumptions about us. We are not obligated to publicly update or revise any forward-looking statement, whether as a result of uncertainties and assumptions, the forward-looking events discussed in this document, and other statements made from time to time by us or our representatives might not occur.



## **Corporate Overview**

## Late-stage Drug with Orphan Drug and Fast Track Designations

- Developing tecarfarin, a late-stage novel oral and reversible anticoagulant (blood thinner) to prevent heart attacks, strokes and deaths due to blood clots in patients with certain conditions where Vitamin K Antagonists (e.g. warfarin) have failed to achieve sufficiently reliable anticoagulation and DOACs (Eliquis-class drugs) have not shown benefit. These areas include the following orphan diseases:
  - End Stage Kidney Disease (ESKD) with Atrial Fibrillation (AFib)
  - Left Ventricular Assist Devices (LVADs)
  - Antiphospholipid Syndrome (APS)
- Tecarfarin, a novel VKA, was specifically designed to metabolize via an alternate pathway than warfarin a metabolic pathway that is abundant and essentially insaturable, providing a much more reliable pharmacokinetic profile than warfarin.
  - Orphan drug and Fast Track designations for ESKD with AFib providing for 7-year marketing exclusivity following FDA approval
  - One pivotal Phase III trial remaining for ESKD with AFib; pursuing development for patients with LVADs and/or APS
  - Tecarfarin has been evaluated in 11 clinical trials in 1,003 subjects and has generally been well-tolerated in adult subjects with a
    variety of medical conditions, including patients with chronic kidney disease (CKD)
  - Approximately \$90 million invested in clinical and regulatory work to date
- o U.S. market potential estimated in excess of \$2 billion combined for the three targeted orphan indications.



## Significant Unmet Need & Market Opportunity for Tecarfarin

Tecarfarin is targeted for indications where warfarin FAILS to achieve sufficiently stable anticoagulation and DOACs (Eliquis-class drugs) have clinically not shown benefit.



High Level of Unmet Need



- There is a lack of approved anticoagulation therapies for certain conditions requiring chronic anticoagulation, including ESKD with AFib, LVADs and APS
- o DOACs (e.g., Xarelto and Eliquis) are not FDA-approved for use with ESKD patients who also have AFib
- DOACs are contraindicated for LVAD and APS
- o Physicians are frustrated with warfarin outcomes and are hesitant to prescribe DOACs absent positive clinical benefit
- Estimated 130,000 ESKD + AFib patients in the U.S. with no indicated therapy



Proven
Mechanism of
Action



- o Tecarfarin is a VKA with a well-understood mechanism of action
- o Phase 2/3 clinical data supports that tecarfarin is an effective anticoagulant
- o Tecarfarin provides stable anticoagulation with >72% time in therapeutic range (TTR) overall and across key subgroups
- Tecarfarin is a reversible anticoagulant



Improved
Safety Profile
(Less Bleeding)



- Tecarfarin's retrometabolic design provides for more stable anticoagulation than warfarin, thereby decreasing the risk of stroke and bleeding
- Unlike warfarin, tecarfarin is metabolized by esterases, escaping metabolism by the cytochrome P450 (CYP450) system and thereby avoiding CYP450-mediated drug-drug or drug-food interactions as well as genetic variations
- o CKD did not adversely affect the metabolism of tecarfarin as it did with warfarin in a head-to-head Phase 1 PK trial
- Extensive safety data from 11 clinical trials in over 1,000 subjects



## Significant Unmet Need & Market Opportunity for Tecarfarin (cont.)

Tecarfarin is targeted for indications where warfarin FAILS to achieve sufficiently stable anticoagulation and DOACs (Eliquis-class drugs) are not widely prescribed for certain conditions.

4 Clear Regulatory
Pathway with No
Development
Competition



- Tecarfarin was granted Orphan Drug Designation and Fast Track Approval by FDA for ESKD + AFib, providing
   7-year marketing exclusivity, and clarity regarding the pathway to approval
- Based on FDA guidance, the basis of approval will be the results of a single pivotal Phase 3 placebo-controlled trial of tecarfarin in ESKD + AFib (N=492)
- The newest class of anticoagulants (Factor XIs) are in development but not being pursued for these certain orphan diseases

5 Strong Adoption and Premium Pricing of Tecarfarin Projected



- Despite ongoing off-label usage of DOACs, KOLs expect strong adoption of tecarfarin
- o Conversion to tecarfarin expected to be highest in the uncontrolled and untreated patient segments
- o Given the gap in effective options for these patient populations, payers expect access and coverage for tecarfarin
- Marketed drugs for certain rare CV conditions command significant price premiums that value the tecarfarin addressable market at over \$2 billion annually combined in the U.S.

Other
Orphan Drug
Indications



- LVADs and APS offer additional and alternative clinical trials/paths to commercialization or lifecycle management opportunities
- o Potential additional FDA Orphan Drug designations are under evaluation





## The Problem: Certain Orphan Diseases Lack Effective Anticoagulation

Physicians are frustrated with warfarin outcomes and are hesitant to prescribe DOACs more broadly given the negative evidence in clinical trials.



#### Warfarin

#### DOACs (Pradaxa, Xarelto, Eliquis and Savaysa)

**ESKD+AFib** 



- Higher risk of bleeding in dialysis patients with Afib compared to DOACs
- Multiple dose adjustments to keep patients within International Normalized Ratio (INR) range
- Drug interaction in patients with multiple comorbidities
- Limited head-to-head evidence; existing data fails to demonstrate benefit in thromboembolism and stroke risk
- Not included in ESKD treatment guidelines
- Ambiguity in dosing recommendations

**LVAD** 



- High frequency ("inevitability") of thrombotic events despite warfarin therapy
- Patients require multiple dose adjustments to maintain within the appropriate INR range

- Cost and time of reversal compared to vitamin K is not acceptable for patients at high risk of bleeding or intervention
- LVAD patients excluded from studies
- DOACs are not guideline recommended therapy for patients with LVAD



### Eliquis 2023 Commercial

Eliquis highlights in its own commercial that you should not take for certain conditions.



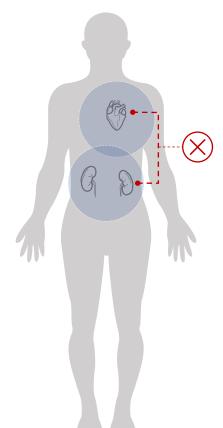
"Don't take ELIQUIS if you have an artificial heart valve..."

ELIQUIS is not for patients who have antiphospholipid syndrome (APS).



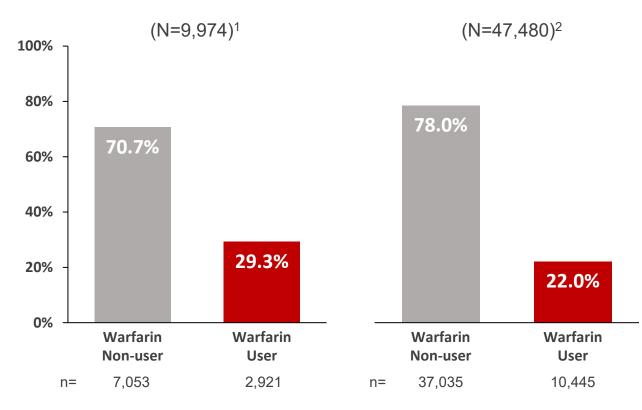
### Significant Underserved Patient Populations

Despite the significantly increased risk of stroke in ESKD patients with AFib, most patients are not anticoagulated due to the lack of evidence of benefit



Most patients
with ESKD + AFib
are not
prescribed
ANY
anticoagulation
to reduce their risk
of stroke

#### Use of warfarin in ESKD + AFib Patients<sup>1</sup>



<sup>1.</sup> Yoon CY, Noh J, Jhee JH, et al. Warfarin Use in Patients With Atrial Fibrillation Undergoing Hemodialysis: A Nationwide Population-Based Study. Stroke. 2017;48(9):2472-2479. doi:10.1161/STROKEAHA.117.017114

<sup>2.</sup> Randhawa MS, Vishwanath R, Rai MP, et al. Association Between Use of Warfarin for Atrial Fibrillation and Outcomes Among Patients With End-Stage Renal Disease: A Systematic Review and Meta-analysis. *JAMA Netw Open.* 2020;3(4):e202175. doi:10.1001/jamanetworkopen.2020.2175



**HOW TECARFARIN ADRESSESES ANTICOAGULTION CHALLENGES** 





### **Tecarfarin Looks to Solve Warfarin's Major Problems**

Tecarfarin provides a more stable anticoagulation than warfarin due to its metabolism, thereby decreasing the risk of stroke and bleeding.

## Warfarin CHALLENGING TO CONTROL

despite nearly 70 years of experience

Metabolism via the cytochrome P450 pathway

Significant variability in PK due to genetic variants and competition with other drugs



#### **MAJOR PROBLEM**

for patients with certain orphan diseases

Variable/Unreliable anticoagulation in patients at high risk for thrombotic events



to solve the warfarin metabolism problem

Metabolized via an alternate pathway that is abundant and essentially insaturable

Reliable, stable PK profile



#### STABLE ANTICOAGULATION

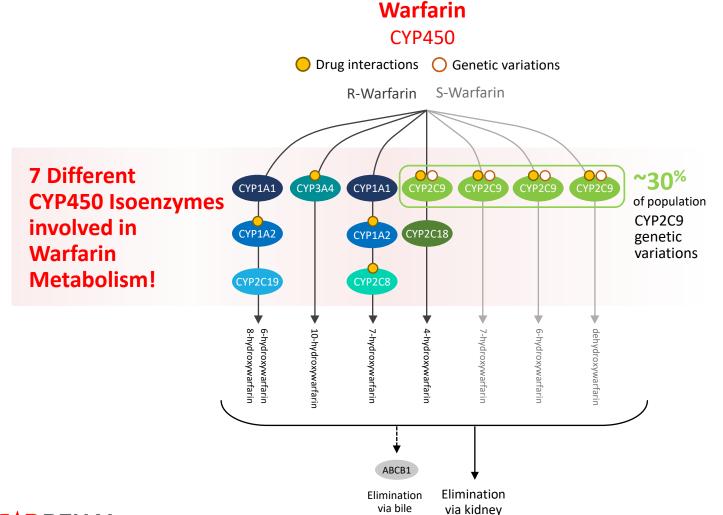
with proven mechanism of action

including patients with certain orphan diseases



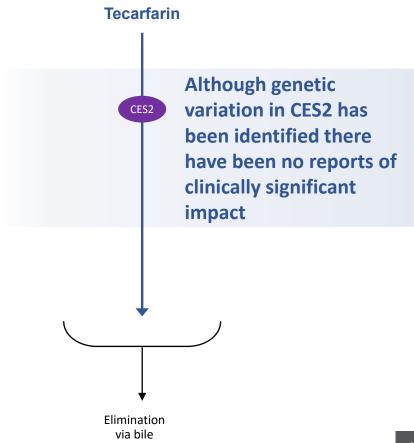
### Tecarfarin's Metabolic Advantage

Tecarfarin is metabolized via an alternate pathway that is abundant and essentially insaturable, thereby avoiding the bottleneck in the CYP450 pathway where warfarin in metabolized.



#### **Tecarfarin**

Human CarboxylEsterase 2 (CES2)





11 Human Clinical Trials With More Than 1,000 Patients Support Safety and Efficacy of Tecarfarin





## Tecarfarin Demonstrates TTR Above Anticoagulation Control Threshold

Phase 2/3 trial shows Tecarfarin provides stable anticoagulation with >72% TTR overall and across key subgroups

#### Phase 2/3 Trial completed (N=607)

- Tecarfarin vs. well-controlled warfarin trial
- Randomized, double-blind trial designed to compare the quality of anticoagulation
- Average Time in Therapeutic Range (TTR) as measured by the International Normalized Ratio (INR)
- Dosing managed by a centralized dose control center



#### **Key Tecarfarin Findings**

Tecarfarin
Demonstrated
TTR >72%
overall and
across key

subgroups

Demonstrated trends suggesting **improved TTR control in** key subgroups expected to do poorly with warfarin

Demonstrated **similar major bleeding** as warfarin and **no thrombotic events** 

TTR of 70% or greater is generally accepted as the goal for stable anticoagulation with a VKA

In real world use of warfarin, TTR averages approximately 40-59%





## TTR Decreases with CKD Severity for AFib Patients on Warfarin

AFib Patients with ESKD on Warfarin are Poorly Controlled with TTR of 42-51%, compared to the TTR goal of 70% or greater

- Time in Therapeutic Range (TTR)<sup>1,2,5</sup>
  - Well-established FDA metric used to evaluate anticoagulation control (safety and efficacy)
  - Higher TTR levels correlate directly with improved clinical outcomes including rates of death, bleeding, myocardial infarction, stroke, and systemic embolism
- TTR predictive of clinical outcomes
  - Stage 4 and 5 CKD with AFib: Similar TTR cutoffs predictive of mortality and cardiovascular outcomes<sup>3,4</sup>
- Overall TTR for AFib Patients with ESKD on warfarin is 42-51%<sup>6</sup>
- Only 21% of ESKD patients on dialysis using warfarin achieve TTR ≥60%6

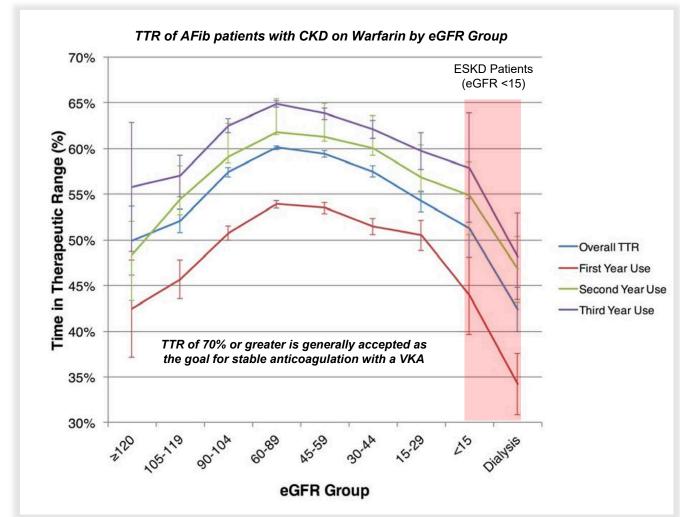




Figure 2. Warfarin Utilization and Anticoagulation Control in Patients with Atrial Fibrillation and Chronic Kidnev Disease<sup>6</sup>

## Phase 2/3 Trial Shows Tecarfarin is Well-Tolerated for Stroke and Thrombus Prevention, with Fewer Hemorrhagic Events

**Tecarfarin** had fewer thrombotic events compared to warfarin

#### Randomized, doubleblind clinical trial

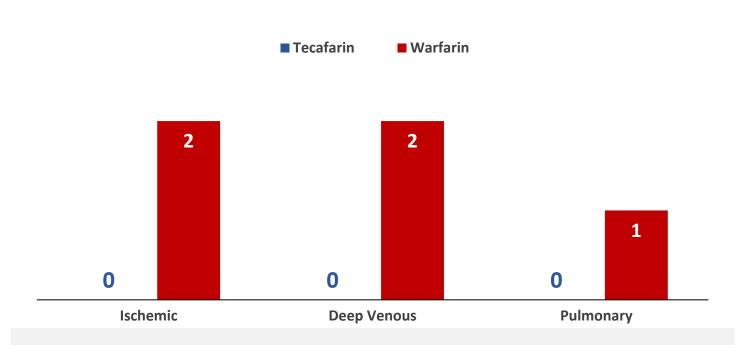


#### N = 607

Patients with indications for chronic anticoagulation

**Tecarfarin** (n = 304)

Warfarin (n = 303)



Tecarfarin-treated subjects experienced numerically fewer major hemorrhages than the warfarin-treated patients and had numerically fewer thrombotic events

Whitlock RP, Fordyce CB, Midei MG, et al. A randomised, double blind comparison of tecarfarin, a novel vitamin K antagonist, with warfarin. The EmbraceAC Trial. *Thromb Haemost.* 2016;116(2):241-250. doi:10.1160/TH15-11-0910



# Tecarfarin Phase 1 PK Trial in Stage 4 CKD Patients Provides Evidence that CKD Does Not Alter Tecarfarin Exposure While Warfarin Exposure is Increased

### **Summary Table**

% change between Stage 4 CKD patients vs healthy subjects matched for each drug using a randomized crossover design (n=23)

	Tecarfarin (% change)	(S)-Warfarin (% change)
AUC	+15%	+44%
C <sub>max</sub>	+6%	+7%
t <sub>1/2</sub>	-8%	+19%

#### **Result Highlights**

	Tecarfarin	Warfarin
Q	Elimination from the body was not affected by severe kidney dysfunction	Exposure increased 44% in Stage 4 CKD patients
(v	Half-life and the amount of drug in the body were similar in Stage 4 CKD patients and healthy subjects	Plasma concentration and half-life increased in Stage 4 CKD patients

Tecarfarin may lead to dosing that is more predictable than warfarin in CKD patients who require anticoagulation therapy



**LVAD** 

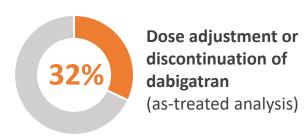
# Dabigatran Versus Warfarin in Patients with Mechanical Heart Valves EXCESS RISK AND NO BENEFIT

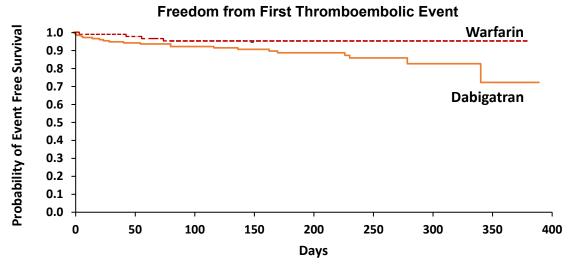


#### **Trial terminated prematurely**

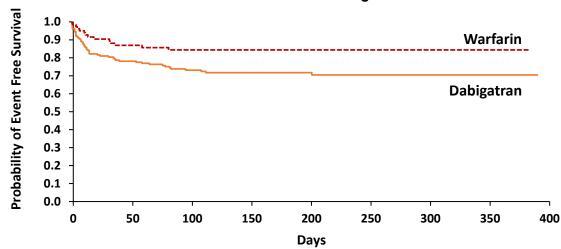
due to an excess of thromboembolic and bleeding events among patients in the dabigatran group

	Dabigatran	Warfarin	
	N=168	N=84	
	N (%)	n (%)	
Ischemic or unspecified stroke	9 (5.4)	0	
Major bleeding	7 (4.2)	2 (2%)	











## APS Patients Randomized to DOACs Have Increased Arterial Thrombosis Risk

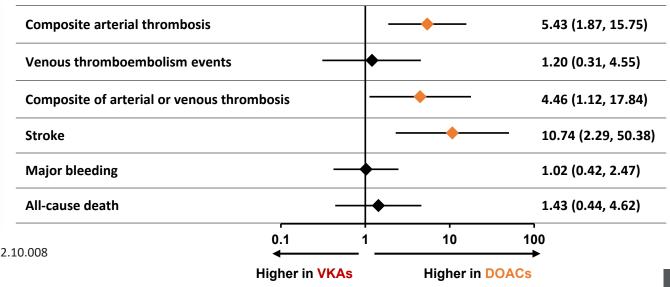
#### **TRIAL SITES**



#### **RESULTS**

Use of DOACs compared with VKAs was associated with:

- Increased odds of arterial thrombotic events, especially stroke
- No change in the odds of VTE or major bleeding
- Results were consistent within subgroups



Khairani CD, Bejjani A, Piazza G, et al. *J Am Coll Cardiol*. 2023;81(1):16-30. doi:10.1016/j.jacc.2022.10.008





## Tecarfarin Clinical Development Pipeline

## Late-stage drug with orphan drug and Fast Track designations

			Development Phase				
Program	Prioritized Target Indications	Regulatory Strategy/Status	Discovery	Preclinical	Phase I	Phase II	Phase III
	End Stage Kidney Disease with AFib	FDA Orphan Drug Designation Granted FDA Fast Track Designation Granted EMA Orphan Drug Application In Process					
Tecarfarin	Left Ventricular Assist Devices (LVADs)  FDA Orphan Drug application pending review, developing trial protocol						
	Antiphospholipid Syndrome (APS)	FDA Orphan Drug application pending review, developing trial protocol					



## Premium Pay for High Value Cardiovascular Orphan Drugs

Track record of recent transactions for orphan drugs in cardiovascular space













Developed by MyoKardia and the company was subsequently acquired by BMS for \$13 billion

Developed by FoldRx with \$88 million in private financing, before FoldRx was subsequently acquired by **Pfizer** 

FDA DESIGNATIONS	Orphan Drug, Priority Review	FDA DESIGNATIONS	Orphan Drug, Fast Track, Priority Review & Breakthrough Therapy
EXPEDITED APPROVAL	Based on a <u>251-patient study called EXPLORER</u> , in which patients randomized to take the drug had significantly better peak oxygen consumption and improved on a widely used measurement of heart failure when compared to those who got a placebo.	EXPEDITED APPROVAL	Based on ATTR-ACT trial (Transthyretin Amyloidosis Cardiomyopathy Clinical Trial) - randomized 441 patients to tafamidis or placebo for 30 months
PRICE	\$89,500 a year (\$245/day) – one of the most expensive CV drugs	PRICE	\$225,000 a year (\$616/day) - the most expensive CV dru <b>g</b>
NOTABLY	The approval came with a warning for the risk of heart failure and an FDA-mandated plan to manage that risk.	YEAR 2 SALES FOLLOWING LAUNCH	\$1.3 billion collectively for Vyndaqel® and Vyndamax®



### Attractive Addressable Market Opportunities for Rare Medical Conditions

U.S. market potential estimated in excess of \$2 billion for three targeted rare medical condition indications



End Stage Kidney
Disease with AFib





Left Ventricular Assist Devices





Antiphospholipid Syndrome



Approximately

>\$2 Billion

Combined Peak Annual
Market Potential\*
(if approved by the FDA)





## Leadership Team





## Scientific Advisory Board (SAB)

Christopher Granger, MD	<ul> <li>Professor of Medicine in the Division of Cardiology at         Duke University         Member, Duke Clinical Research Institute (DCRI)     </li> </ul>	Duke
Sean Pokorney, MD, MBA	<ul> <li>Electrophysiologist and Assistant Professor of Medicine</li> </ul>	Duke
Eloine M. Hylek, MD, MPH	<ul> <li>Professor of Medicine, Boston University School of Medicine</li> <li>Director of the Thrombosis and Anticoagulation Service at Boston Medical Center (BMC)</li> </ul>	BOSTON UNIVERSITY
C. Michael Gibson, MD	<ul> <li>Professor of Medicine, Harvard Medical School</li> <li>Interventional Cardiologist, Beth Israel Deaconess         Medical Center</li> <li>President &amp; CEO, Baim Institute for Clinical Research</li> </ul>	HARVARD MEDICAL SCHOOL  Beth Israel Lahey Health  Beth Israel Deaconess Medical Center  Baim Institute for Clinical Research
Wolfgang C. Winkelmayer, MD, MPH	<ul> <li>Chief, Section of Nephrology, Professor of Medicine,</li> <li>Baylor University</li> <li>Director, Selzman Institute for Kidney Health</li> </ul>	Baylor University
Richard Whitlock, MD	<ul> <li>Cardiac Surgeon and Professor of Surgery, McMaster</li> <li>University Medical Center</li> <li>Investigator, Population Health Research Institute</li> </ul>	McMaster University
A. Michael Lincoff, MD	<ul> <li>Vice Chairman, Dept. of Cardiovascular Medicine,</li> <li>Cleveland Clinic</li> <li>Director of Clinical Research, Lerner Research Institute</li> </ul>	Cleveland Clinic





## Financial Summary

### **Cap Table (as of 11/9/23)**

Cash (at 11/9/23)	\$9 million
Debt	NONE
Common Shares Outstanding (excluding pre-funded warrants)	13,022,754
Pre-Funded Warrants	<u>2,985,715</u>
As Adjusted – Common Shares Outstanding	16,008,469
Warrants – Investors (avg. \$1.75)	4,285,715
Warrants - Underwriter & Placement Agt. Warrants (avg. \$2.68)	389,071
Stock Options Outstanding (avg. \$0.86)	1,175,000

#### **Q3 2023 Financial Results**

Operating Expenses (excluding non-cash items)	\$989,000
Market Capitalization	
As of 11/9/23	\$7 million
Insider Ownership (Common Stock)	
Insider Ownership as Percent of Shares Outstanding	47%



### Why Tecarfarin Now?

Tecarfarin is targeted for indications where warfarin <u>FAILS</u> to achieve sufficiently stable anticoagulation and DOACs (Eliquis-class drugs) have clinically not shown benefit.



**Unmet Need** – Certain medical conditions exist requiring chronic anticoagulation where warfarin has been unreliable, and DOACs (Eliquis-class drugs) are not FDA-approved.



**Development Landscape** – The newest class of anticoagulants (Factor XIs) are still in development and are not being pursued for these rare medical conditions. One Factor XI has already been abandoned



**Proven Mechanism of Action** – Tecarfarin is a VKA with a well-understood mechanism of action; clinical data supports that tecarfarin is an effective anticoagulant



**Improved Safety Profile** – Tecarfarin is metabolized via a different metabolic pathway than warfarin – thus providing more stable anticoagulation than warfarin, thereby decreasing the risk of stroke and bleeding



**Regulatory Pathway** – Tecarfarin was granted Orphan Drug Designation and Fast Track Approval by FDA for ESKD + AFib, providing 7-year marketing exclusivity, clarity regarding the pathway to approval



**Large Commercial Opportunity** -- Marketed drugs for certain rare CV diseases command significant price premiums that value the tecarfarin addressable market at over \$2B, subject to FDA approval





## Contact Us



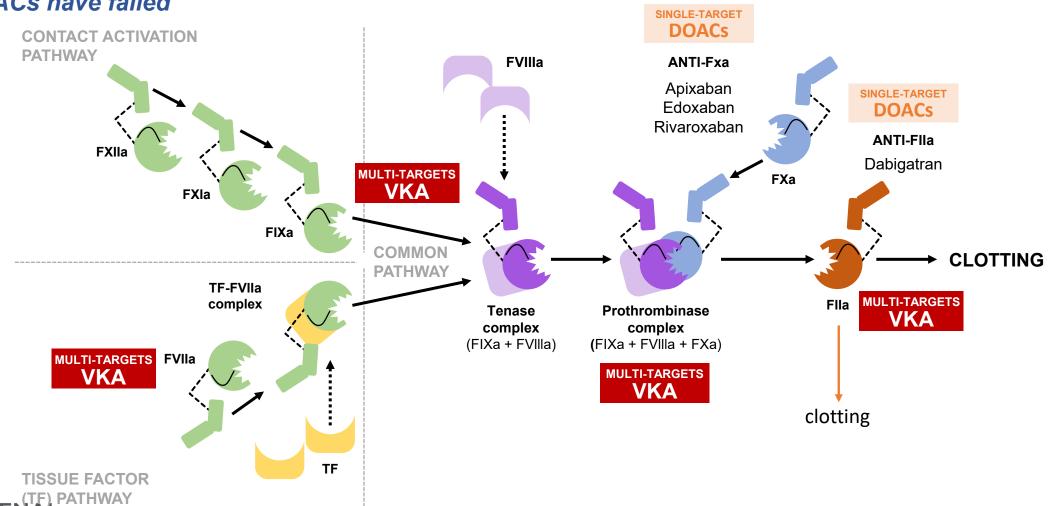
Quang Pham
CEO & Founder
quang.pham@cadrenal.com

Matthew Szot CFO matthew.szot@cadrenal.com



# Vitamin K Antagonism Inhibits Multiple Factors (II, VII, IX, X, Proteins C & S) in the Clotting Cascade vs. Single Targets of Newer Agents

Proven mechanism of action resulting in clinically meaningful anticoagulation in certain conditions where DOACs have failed



## Warfarin Metabolism via CYP450 is Complicated by Known Competitors, Inhibitors and Inducers and the Established Impact of Genetic Variants

Enzymes	Substrates	Inhibitors	Inducers
CYP 3A4	amlodipine, simvastatin, warfarin, amiodarone, sildenafil, midazolam, fluoxetine, haloperidol, codeine, oxycodone, methadone, fentanyl	ciprofloxacin, ketoconazole, ritonavir, methylprednisone, imatinib, tamoxifen, cimetidine, grapefruit juice	simvastatin, efavirenz, pentobarbital, carbamazepine, phenobarbital, phenytoin, valproic acid, caffeine
CYP IA2	alosetron, caffeine, duloxetine, melatonin, ramelteon, tacrine, tizanidine	ciprofloxacin, enoxacin, fluvoxamine, oral contraceptives, phenylpropanolamine	montelukast, phenytoin, smoking components of cigarettes
CYP 2C8	repaglinide, paclitaxel, methadone	gemfibrozil, fluvoxamine, ketoconazole, trimethoprim	rifampin
CYP 2C9	celecoxib, warfarin, phenytoin	amiodarone, fluconazole, miconazole, oxandrolone, capecitabine, etravirine, fluvastatin, metronidazole, Sulfinpyrazone, tigecycline	carbamazepine, rifampin, aprepitant, bosentan, phenobarbital, St. John's wort
CYP 2D6	lidocaine, metoprolol, haloperidol, fluoxetine, amitriptyline, metoclopramide, codeine, oxycosone, tramadol	amiodarone, chlorpromazine, citalopram, bupropion	rifampin, dexamethasone

Tecarfarin
was specifically
designed to avoid
metabolism via the
CYP450 Pathway,
thus improving
safety and efficacy
over warfarin



## Tecarfarin is Metabolized via the Human Carboxyl Esterase 2 Pathway (CES2) Provides More Effective, Safe, and More Consistent Anti-coagulation

Enzymes	Substrates	Inhibitors	Inducers
CYP 3A4	amlodipine, simvastatin, warfarin, amiodarone, sildenafil, midazolam, fluoxetine, haloperidol, codeine, oxycodone, methadone, fentanyl	ciprofloxacin, ketoconazole, ritonavir, methylprednisone, imatinib, tamoxifen, cimetidine, grapefruit juice	simvastatin, efavirenz, pentobarbital, carbamazepine, phenobarbital, phenytoin, valproic acid, caffeine
CYP IA2	alosetron, caffeine, duloxetine, melatonin, ramelteon, tacrine, tizanidine	ciprofloxacin, enoxacin, fluvoxamine, oral contraceptives, phenylpropanolamine	montelukast, phenytoin, smoking components of cigarettes
CYP 2C8	repaglinide, paclitaxel, methadone	gemfibrozil, fluvoxamine, ketoconazole, trimethoprim	rifampin
CYP 2C9	celecoxib, warfarin, phenytoin	amiodarone, fluconazole, miconazole, oxandrolone, capecitabine, etravirine, fluvastatin, metronidazole, Sulfinpyrazone, tigecycline	carbamazepine, rifampin, aprepitant, bosentan, phenobarbital, St. John's wort
CYP 2D6	lidocaine, metoprolol, haloperidol, fluoxetine, amitriptyline, metoclopramide, codeine, oxycosone, tramadol	amiodarone, chlorpromazine, citalopram, bupropion	rifampin, dexamethasone

#### **CES2 Substrate Drugs**

#### Antiplateletes/Anticoagulants

- Acetylsalicylic acid
- Prasugrel
- Dabigatran etexilate

#### **Angiotensin receptor blockers**

- Candesartan cilexetil
- · Olmesartan medoxomil
- Azilsartan medoxomil

#### **Antivitral agents**

- Tenfovir disoproxil
- Adefovir dipivoxil
- Valacyclovir

#### **CNS** agents

- Cocaine
- Heroin
- 6-monoacetylmorphine

#### Immunosuppressive agents

- Methylprednisolone sodium succinate
- Deflazacort

#### **Oncology agents**

- Irinotecan
- Capecitabine

#### **Anesthetic drug**

Procaine

#### **Limited Substrates Identified**

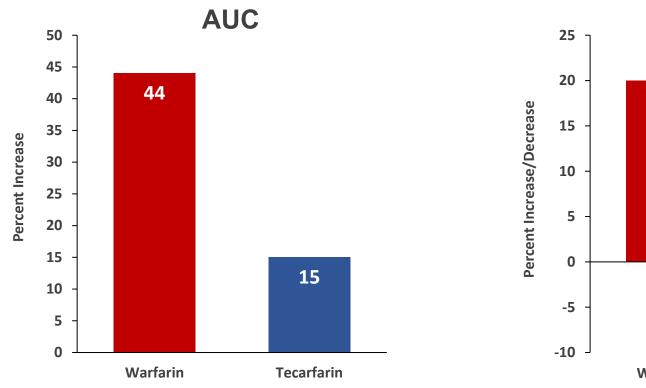
Genetic variation exists, but limited evidence of clinical impact

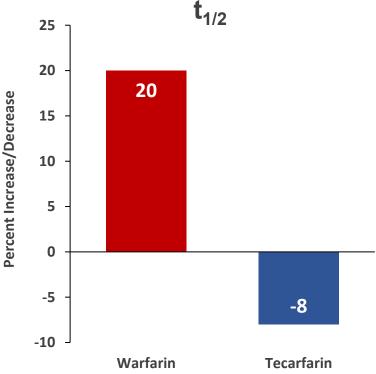


## Kidney Failure Has a Significant Impact on Warfarin PK vs Tecarfarin

## Tecarfarin metabolism not as impacted by kidney failure

Percent Increase in Exposure for Chronic Kidney Disease Subjects vs Healthy subjects for Warfarin and Tecarfarin (n =23)



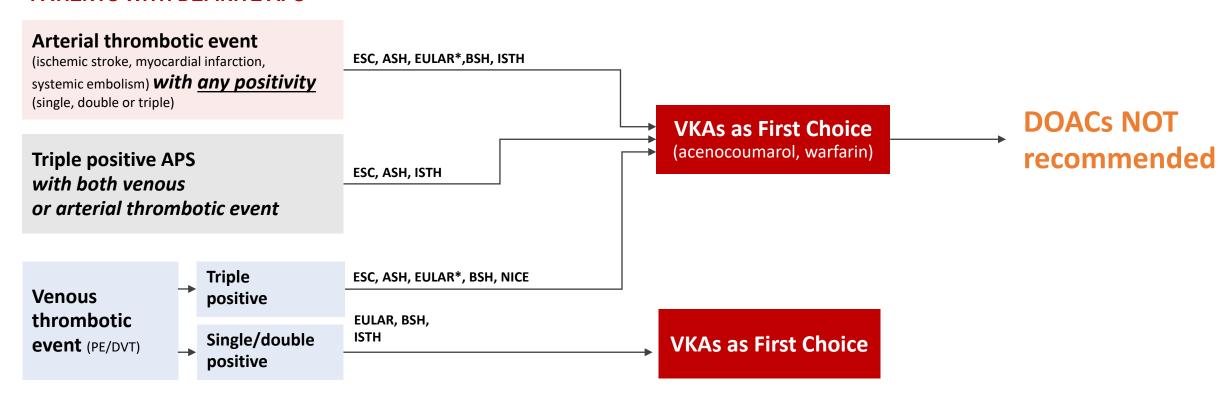


Albrecht D, Turakhia MP, Ries D, et al. Pharmacokinetics of Tecarfarin and Warfarin in Patients with Severe Chronic Kidney Disease. *Thromb Haemost*. 2017;117(11):2026-2033. doi:10.1160/TH16-10-0815



## Summary of Guidelines Recommendations on Anticoagulant Treatment Prescription in Patients with Antiphospholipid Syndrome

#### PATIENTS WITH DEFINITE APS



<sup>\*</sup> EULAR recommends to not use Rivaroxaban

Pastori D et al. *Front. Cardiovasc. Med.* 2021. 8:715878. doi: 10.3389/fcvm.2021.715878

ESC = European Society of Cardiology
ASH = American Society of Hematology
EULAR = European Alliance of Associations for Rheumatology
BSH = British Society for Haematology
ISH = International Society of Hematology



## Tecarfarin Phase 3 Trial Design for ESKD and AFib

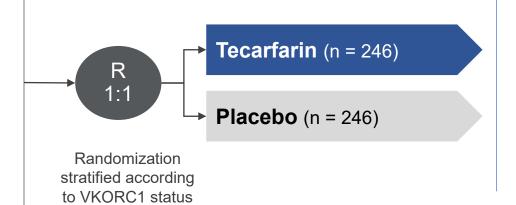
## Tecarfarin vs. Placebo in Patients with ESKD and AFib Randomized, Double-Blind, Placebo-Controlled (no active control)



ESKD (eGFR < 15 mL/min/1.73 mm²) documented chronic paroxysmal, persistent or permanent AFib

#### **Trial Sites:**

U.S. and Canada, ROW TBD



#### 12-month follow-up

for Primary Endpoint of time to combined endpoint of ischemic stroke or systemic embolism (80% power to detect a 25% treatment benefit)

