

FOR IMMEDIATE RELEASE NASDAQ: CORV TSX: CORV

CORREVIO REPORTS PRELIMINARY DATA COLLECTED FROM >2,000 BRINAVESS® TREATMENT EPISODES IN EU POST-AUTHORIZATION SAFETY STUDY

Zero Deaths Reported, Safety Outcomes of Interest Observed in 0.8% Cases

*>70% of AF Episodes Successfully Converted to Sinus Rhythm in a Median Time of
11 Minutes*

Vancouver, Canada, September 5, 2018 -- Correvio Pharma Corp. (NASDAQ: CORV) (TSX: CORV), a revenue-generating, specialty pharmaceutical company focused on providing innovative, high-quality brands that meet the needs of acute care physicians and patients, today reported preliminary data from SPECTRUM, a post-authorization safety study evaluating Brinavess (vernakalant hydrochloride, IV), its antiarrhythmic drug for the rapid conversion of recent onset atrial fibrillation (AF), conducted in the European Union (EU).

SPECTRUM was conducted as part of the follow-up measures agreed to with the European Medicines Agency in 2010. In this prospective and retrospective, observational registry, 1,778 unique patients with 2,009 treatment episodes were enrolled to describe patients receiving Brinavess and characterize and quantify normal conditions of use, dosing and safety following administration of Brinavess. The data for SPECTRUM was provided by 53 participating hospitals in the EU and demonstrated that treatment with Brinavess successfully converted 70.2% (95% confidence interval [CI] 68.1 – 72.2) of all treated patients. Treatment with Brinavess also showed a median time to conversion of 11 minutes from start of first infusion among patients who converted.

In the safety results, a total of 19 health outcomes of interest (“HOIs”, defined as significant hypotension, ventricular arrhythmia, atrial flutter, or bradycardia) were reported in 17 patients. The cumulative incidence of HOIs at study completion was 0.8% (95% CI: 0.5%-1.4%). Twenty-eight (28) serious adverse events (SAEs) were reported for 26 patients and no deaths were reported in the study.

“This large European registry provides important data on the safety, efficacy and use of Brinavess in 1,778 patients in a real-world setting,” said Kiran Bhirangi, M.D., Correvio’s Vice President, Clinical Development and Medical Affairs. “In SPECTRUM, normal heart rhythm was restored in over 70% of patients at a median time of 11 minutes, HOIs were observed in 0.8% of patients, and there were no deaths. SPECTRUM efficacy and safety results compare well with what has been observed from a literature review of 18 Brinavess studies from 20 centers in 9 different countries. Collectively, these studies reported on an additional 1,361 patients treated with Brinavess and demonstrated a median rate of cardioversion of approximately 74% (range 52.2% – 95%), a median time to cardioversion of 11.8 minutes (range 8-62 minutes), and there were no deaths reported. We are encouraged by the consistency of the efficacy and safety data observed in the clinical setting and we thank the SPECTRUM study investigators and the hospital site staff for their hard work and commitment to this valuable registry.”

About Atrial Fibrillation

Atrial Fibrillation (also known as AFib or AF) is a supraventricular tachyarrhythmia with uncoordinated atrial activation resulting in ineffective atrial contraction and if left untreated, structural and/or electrophysiological atrial tissue abnormalities.¹ AF is a common cardiac rhythm disturbance that increases in prevalence with advancing age.¹ According to the American Heart Association, estimates of the prevalence of AF in the U.S. ranged from 2.7 million to 6.1 million in 2010, and is expected to rise to between 5.6 million to 12 million in 2030.²

There are two strategies to manage AF, namely, rhythm- or rate-control. A rhythm-control strategy may be used in patients who are severely compromised, remain symptomatic despite adequate rate control, when adequate rate control is difficult to achieve, when long term rhythm control therapy is preferred, younger patient age, presence of tachycardia-mediated cardiomyopathy, and first episode of AF.^{1,3} Early intervention with a rhythm-control strategy to prevent progression of AF may be particularly beneficial to the AF patient.¹

About Brinavess®

Brinavess® (vernakalant HCl, IV) is an antiarrhythmic drug that acts preferentially in the atria by prolonging atrial refractoriness and slowing impulse conduction in a rate-dependent fashion. Brinavess is approved for marketing in Europe, Canada and several other countries worldwide. In Europe, it is approved for the rapid conversion of recent onset atrial fibrillation to sinus rhythm in adults: 1) for non-surgery patients: atrial fibrillation \leq 7 days duration; and 2) for post-cardiac surgery patients: atrial fibrillation \leq 3 days duration. Vernakalant IV is not approved for use in the United States.

About Correvio Pharma Corp.

Correvio Pharma Corp. is a revenue-generating, specialty pharmaceutical company focused on providing innovative, high-quality brands that meet the needs of acute care physicians and patients. With a commercial presence and distribution network covering over 60 countries worldwide, Correvio develops, acquires and commercializes brands for the in-hospital, acute care market segment. The Company's portfolio of approved and marketed brands includes: Xydalba™ (dalbavancin hydrochloride), for the treatment of acute bacterial skin and skin structure infections (ABSSSI); Zevtera®/Mabelio® (ceftobiprole medocartil sodium), a cephalosporin antibiotic for the treatment of community- and hospital-acquired pneumonia (CAP, HAP); Brinavess® (vernakalant IV) for the rapid conversion of recent onset atrial fibrillation to sinus rhythm; Aggrastat® (tirofiban hydrochloride) for the reduction of thrombotic cardiovascular events in patients with acute coronary syndrome, and Esmocard® and Esmocard Lyo® (esmolol hydrochloride), a short-acting betablocker used to control rapid heart rate in a number of cardiovascular indications. Correvio's pipeline of product candidates includes Trevyent®, a drug device combination that is designed to deliver treprostinil, the world's leading treatment for pulmonary arterial hypertension. Correvio is traded on the NASDAQ Capital Market (CORV) and the Toronto Stock Exchange (CORV). For more information, please visit our web site www.correvio.com.

References

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3. Camm AJ et al. Guidelines for the management of atrial fibrillation, The Task Force for the Management of Atrial Fibrillation of the European Society of Cardiology (ESC). Eur Heart J. 2010;31:2369-2429.

Forward-Looking Statement Disclaimer

Certain statements in this news release contain “forward-looking statements” within the meaning of the U.S. Private Securities Litigation Reform Act of 1995 or “forward-looking information” under applicable Canadian securities legislation (collectively, “forward-looking statements”). Forward-looking statements include statements that may relate to our plans, objectives, goals, strategies, future events, future revenue or performance, capital expenditures, financing needs and other information that may not be based on historical fact. Forward-looking statements can often be identified by the use of terminology such as “believe”, “may”, “plan”, “will”, “estimate”, “continue”, “anticipate”, “intend”, “expect” and similar expressions. Forward-looking statements are necessarily based on estimates and assumptions made by us based on our experience and perception of historical trends, current conditions and expected future developments, as well as other factors we believe are appropriate.

These forward-looking statements may include, but are not limited to: possible future meetings with the FDA, including the timing of any such meetings, and any possible regulatory path forward with respect to BRINAVESS®; any potential cost savings or efficiency improvements for hospitals attributable to the emergency room treatment of acute AF with Brinavess; our plans to develop and commercialize product candidates in various countries and the timing of development and commercialization; whether we or our partners will receive, and the timing and costs of obtaining, regulatory approvals for our products in various countries; clinical development of our product candidates, including the results of current and future clinical trials and the timing associated with the receipt of clinical trial results; the ability to enroll and to maintain enrollment of patients in our clinical trials; our estimates of the size of the markets and potential markets for our products; our estimates of revenues and anticipated revenues for the commercialization of products and product candidates; the range and degree of market acceptance of our products; the pricing of our products; and whether we will receive, and the timing of, reimbursement for our products in various countries.

By their very nature, forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause the actual results, events or developments to be materially different from any future results, events or developments expressed or implied by such forward-looking statements. A detailed discussion of the risks and uncertainties facing Correvio are discussed in the recent annual and quarterly reports of our former parent company Cardiome Pharma Corp., the Short Form Base Shelf Prospectus filed on July 5, 2018 by Correvio, the Prospectus Supplement filed July 10, 2018 by Correvio and those risks and uncertainties detailed from time to time in our other filings with the Securities and Exchange Commission (“SEC”) available at www.sec.gov and the Canadian securities regulatory authorities at www.sedar.com. All of the risks and certainties disclosed in those filings are hereby incorporated by reference in their entirety into this news release.

While Correvio makes these forward-looking statements in good faith, given these risks, uncertainties and factors, you are cautioned not to place undue reliance on any forward-looking statements made in this presentation. All forward-looking statements made herein are based on our current expectations and we undertake no obligation to revise or update such forward-looking statements to reflect subsequent events or circumstances, except as required by law. Investors are cautioned that forward-looking statements are not guarantees of future performance and accordingly investors are cautioned not to put undue reliance on forward-looking statements due to their inherent uncertainty.

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