



## Aquestive Therapeutics Announces Positive Topline Pharmacokinetic Data for Anaphylm™ (epinephrine) Sublingual Film

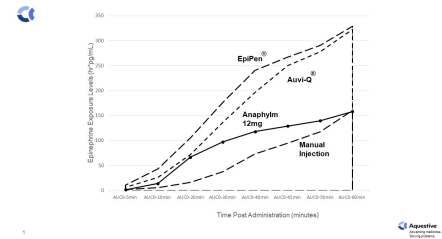
July 27, 2023 at 7:00 AM EDT

- Reports positive topline data from latest pilot pharmacokinetic (PK) study
- Plans to submit pivotal PK clinical study protocol to the FDA in early August
- Anticipates commencement of its definitive pivotal PK clinical trial in the fourth quarter of 2023

WARREN, N.J., July 27, 2023 (GLOBE NEWSWIRE) -- Aquestive Therapeutics, Inc. (NASDAQ: AQST) (the "Company" or "Aquestive"), a pharmaceutical company advancing medicines to solve patients' problems with current standards of care and provide transformative products to improve their lives, today released topline data from its latest crossover pilot trial, Study AQ109103 (the "103 study"), for Anaphylm™ (epinephrine) Sublingual Film. This crossover clinical trial in healthy human subjects was designed with the finalized dosing instructions expected for use in the Company's upcoming pivotal clinical trial.

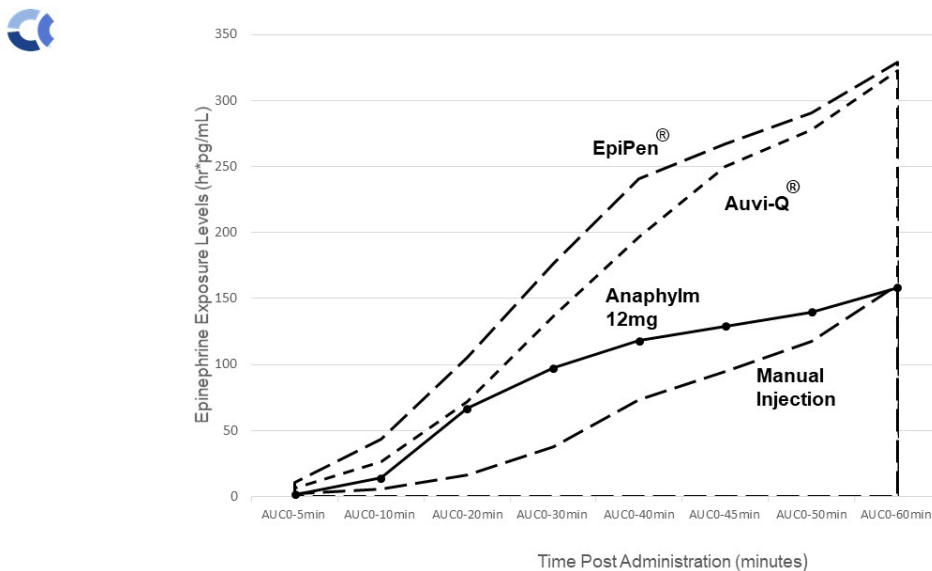
The 103 study demonstrated that Anaphylm, using the finalized dosing administration instructions, delivers epinephrine systemically as effectively as either commercially available autoinjectors or the manual intramuscular (IM) injection. Administration of Anaphylm 12mg resulted in a geometric mean maximum epinephrine concentration (C<sub>max</sub>) of 457 pg/mL and a median time to maximum concentration (T<sub>max</sub>) of 15 minutes after administration. The partial Area Under the Curve measurement, or pAUC, was bracketed between previously generated manual 0.3mg IM injection and epinephrine 0.3mg autoinjector data at all timepoints between 10 and 60 minutes, post-dosing. Importantly, Anaphylm 12mg met the standards of bracketing in the 103 study for all the critical parameters that the Company anticipates measuring in the pivotal PK study including C<sub>max</sub> and pAUC during the critical early time periods, while remaining similar to autoinjectors for T<sub>max</sub>. The product was safe and well-tolerated with no serious adverse events. Chart 1 below highlights Anaphylm 12mg pAUC from the 103 study when compared to autoinjector and manual IM injection pAUC from a previous study conducted by the Company.

### Anaphylm 12mg Exceeds Lower Bracket at All Expected Pivotal Targets



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Chart 1: Anaphylm 12mg Exceeds Lower Bracket at All Expected Pivotal Targets<sup>1</sup>



1. Bracketing end points subject to alignment with FDA. Cross-study comparison from AQ109102 and AQ109103.

The 103 study also included crossover arms of Anaphylm 12mg with alternate dosing instructions as well as Anaphylm 14mg with the finalized dosing instructions. In both cases, the product was considered safe and well-tolerated. Table 1 below provides a comparison of the two arms that utilized final dosing instructions from the 103 study to autoinjector and manual IM injection data from a previous study conducted by the Company.

Table 1: Anaphylm 12mg Achieves Targeted Cmax and Tmax in Healthy Subjects

	Cmax (pg/mL) Geometric Mean (CV%)	Tmax (median, min)
Anaphylm 12mg (n=22)*	457 (120)	15
Anaphylm 14mg (n=23)*	811 (105)	12
EpiPen® 0.3mg (n=27)**	628 (48)	10
Auvi-Q® 0.3mg (n=29)**	646 (49)	30
Epinephrine 0.3mg manual IM injection (n=27)**	344 (60)	50

\*Study AQ109103; \*\*Study AQ109102

“This is a major step forward for our Anaphylm development program. We are delighted that the latest results meet all of the PK bracketing parameters that we expect to evaluate in the upcoming pivotal PK trial. We are ready to finalize our trial protocol and initiate the study as we are hopeful that the FDA will agree with our assessment.” said Daniel Barber, Chief Executive Officer of Aquestive. “Anaphylaxis is a serious condition that requires immediate treatment with epinephrine. We continue to believe that a convenient, oral product such as Anaphylm has the potential to be transformative for patients and caregivers. Anaphylm allows patients to have medication with them where they need it, when they need it and is convenient enough to carry in their wallets or pockets.”

Dr. John Oppenheimer, M.D. Director of Clinical Research at Pulmonary and Allergy Associates and Clinical Professor of Medicine at UMDNJ-Rutgers, stated, “The data from the 103 study builds on the compelling data generated from prior Anaphylm pilot studies. These latest study results showed that the sublingual administration of epinephrine provides a promising alternative to the current standard of care allowing patients to carry and administer a needle-free alternative of this life-saving medication.”

#### About Anaphylaxis

Anaphylaxis is a serious systemic hypersensitivity reaction with that is rapid in onset and potentially fatal. As many as 49 million people in the United States are at chronic risk for anaphylaxis. Lifetime prevalence is at least 5%, or more than 16 million people in the United States. Direct costs of anaphylaxis have been estimated at \$1.2 billion per year, with direct expenditures of \$294 million for epinephrine, and indirect costs of \$609 million. The frequency of hospital admissions for anaphylaxis has increased 500–700% in the last 10–15 years. Of patients who previously experienced anaphylaxis, 52% had never received an epinephrine autoinjector prescription, and 60% did not have an autoinjector currently available. The most common causes of anaphylaxis are foods (such as peanuts), venom from insect stings, and medications. Epinephrine injection is the current standard of treatment intended to reverse the severe manifestation of anaphylaxis, which may include skin rash, throat swelling, respiratory difficulty, gastrointestinal distress, and loss of consciousness.

#### About Anaphylm

Anaphylm (AQST-109) is a polymer matrix-based epinephrine prodrug candidate product administered as a sublingual film that is applied under the tongue for the rapid delivery of epinephrine. The product is similar in size to a postage stamp, weighs less than an ounce, and begins to dissolve on contact. No water or swallowing is required for administration. The packaging for Anaphylm is thinner and smaller than an average credit card, can be carried in a pocket, and is designed to withstand weather excursions such as exposure to rain and/or sunlight.

#### About Aquestive Therapeutics

Aquestive Therapeutics, Inc. (NASDAQ: AQST) is a pharmaceutical company advancing medicines to solve patients’ problems with current standards of care and provide transformative products to improve their lives. We are developing orally administered products to deliver complex molecules, providing novel alternatives to invasive and inconvenient standard of care therapies. Aquestive has five commercialized products marketed by our licensees in the U.S. and around the world. The Company also collaborates with pharmaceutical companies to bring new molecules to market using proprietary, best-in-class technologies, like PharmFilm®, and has proven drug development and commercialization capabilities. Aquestive is advancing a late-stage proprietary product pipeline focused on treating diseases of the central nervous system and a developing pipeline for the treatment of severe allergic reactions, including anaphylaxis. For more information, visit [Aquestive.com](http://Aquestive.com) and follow us on LinkedIn.

#### Forward-Looking Statements

Certain statements in this press release include “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. Words such as “believe,” “anticipate,” “plan,” “expect,” “estimate,” “intend,” “may,” “will,” or the negative of those terms, and similar expressions, are intended to identify forward-looking statements. These forward-looking statements include, but are not limited to, statements regarding the advancement and related timing of our product candidate Anaphylm™ (epinephrine) Sublingual Film through clinical development and approval by the FDA, including the filing of a pivotal clinical trial for Anaphylm; the potential benefits Anaphylm could bring to patients, and other statements that are not historical facts. These forward-looking statements are subject to the uncertain impact of the COVID-19 global pandemic on the Company’s business including with respect to its clinical trials including site initiation, enrollment and timing and adequacy of clinical trials; on regulatory submissions and regulatory reviews and approval of Anaphylm; pharmaceutical ingredient and other raw materials supply chain, manufacture, and distribution; and ongoing availability of an appropriate labor force and skilled professionals.

These forward-looking statements are based on the Company’s current expectations and beliefs and are subject to a number of risks and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements. Such risks and uncertainties include, but are not limited to, risks associated with the Company’s development work, including any delays or changes to the timing, cost and success of its product development activities and clinical trials for Anaphylm; risk of the Company’s failure to generate sufficient data in its PK/PD comparability submission for FDA approval of Anaphylm; risk of the Company’s failure to address the concerns identified in the FDA End-of-Phase 2 meeting for Anaphylm, including the risk that the FDA may require additional clinical studies for FDA approval of Anaphylm; risk of delays in or the failure to receive FDA approval of Anaphylm and there can be no assurance that we will be successful in obtaining FDA approval of Anaphylm; risk of insufficient capital and cash resources, including insufficient access to available debt and equity financing and revenues from operations, to satisfy all of the Company’s short-term and longer term liquidity and cash requirements and other cash needs, at the times and in the amounts needed, including to fund future clinical development activities for Anaphylm; risk of the rate and degree of market acceptance of our product candidate Anaphylm; risk of the success of any competing products; uncertainties related to general economic, political, business, industry, regulatory, financial and market conditions and

other unusual items; and other risks and uncertainties affecting the Company described in the “Risk Factors” section and in other sections included in its Annual Report on Form 10-K, in its Quarterly Reports on Form 10-Q, and in its Current Reports on Form 8-K filed with the Securities and Exchange Commission. Given those uncertainties, you should not place undue reliance on these forward-looking statements, which speak only as of the date made. All subsequent forward-looking statements attributable to the Company or any person acting on its behalf are expressly qualified in their entirety by this cautionary statement. The Company assumes no obligation to update forward-looking statements or outlook or guidance after the date of this press release whether as a result of new information, future events or otherwise, except as may be required by applicable law.

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A photo accompanying this announcement is available at <https://www.globenewswire.com/NewsRoom/AttachmentNg/390314c7-2ab3-4d70-b608-b6310c5e384e>