

June 2, 2015



## Trevena Granted Key U.S. Composition of Matter Patent for TRV734

KING OF PRUSSIA, Pa.--(BUSINESS WIRE)-- Trevena, Inc. (NASDAQ: TRVN), a clinical stage pharmaceutical company focused on the discovery and development of biased ligands targeting G protein coupled receptors (GPCRs), today announced that the U.S. Patent and Trademark Office (USPTO) has granted U.S. Patent No. 9,044,469, "Opioid Receptor Ligands and Methods of Using and Making Same." The patent covers TRV734, compositions comprising TRV734, and methods of using TRV734, and is expected to provide patent coverage for TRV734 until at least 2032. Trevena is currently testing TRV734 for the treatment of acute and chronic moderate-to-severe pain in Phase 1 clinical trials.

"This patent provides long-term protection in the United States for the TRV734 molecule and its use in treating pain," said Maxine Gowen, Ph.D., chief executive officer. "With this issued U.S. patent, and corresponding patent applications pending in key international markets, we are well positioned to establish a comprehensive and global intellectual property estate for this important asset. We now have secured composition of matter patent protection in the U.S. for all three of our clinical stage compounds – TRV130, TRV027 and TRV734."

### About TRV734

TRV734 is being developed to optimize analgesia while minimizing on-target gastrointestinal and central nervous system adverse effects through its novel mode of action at the mu-opioid receptor. This receptor is a well-established target for effective analgesics such as fentanyl and morphine, which are unbiased mu-opioid agonists. TRV734 is a biased ligand at the mu-opioid receptor, activating the G protein pathway, associated with analgesia, without activating the mu-opioid beta-arrestin pathway, associated with respiratory depression and constipation in preclinical studies. TRV734 takes advantage of the same novel biased ligand mechanism at the mu-opioid receptor as TRV130, the company's Phase 2 intravenous clinical candidate which has shown promising differentiation versus morphine.

### About Trevena

Trevena, Inc. is a clinical stage biopharmaceutical company that discovers, develops and intends to commercialize therapeutics that use a novel approach to target G protein coupled receptors, or GPCRs. Using its proprietary product platform, Trevena is developing four biased ligand product candidates it has identified - TRV027 to treat acute heart failure (Phase 2b), TRV130 to treat moderate to severe acute pain intravenously (Phase 2b), TRV734 to treat moderate to severe acute and chronic pain orally (Phase 1), and TRV250 for treatment-refractory migraine and other CNS disorders (preclinical).

### Cautionary Note on Forward Looking Statements

Any statements in this press release about future expectations, plans and prospects for the

company, including statements about the company's strategy, future operations, clinical development of its therapeutic candidates, plans for potential future product candidates and other statements containing the words "anticipate," "believe," "estimate," "expect," "intend," "may," "plan," "predict," "project," "suggest," "target," "potential," "will," "would," "could," "should," "continue," and similar expressions, constitute forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including: the status, timing, costs, results and interpretation of the company's clinical trials; the uncertainties inherent in conducting clinical trials; whether interim results from a clinical trial will be predictive of the final results of the trial or results of early clinical trials will be indicative of the results of future trials; expectations for regulatory approvals; availability of funding sufficient for the company's foreseeable and unforeseeable operating expenses and capital expenditure requirements; other matters that could affect the viability or commercial potential of the company's therapeutic candidates; the inherent uncertainties associated with intellectual property, including whether the composition of matter patent for TRV734 will provide long-term protection in the United States and whether we will attain comprehensive and global patent protection for this molecule; and other factors discussed in the Risk Factors set forth in the company's Annual Report on Form 10-K and Quarterly Reports on Form 10-Q filed with the Securities and Exchange Commission (SEC) and in other filings the company makes with the SEC from time to time. In addition, the forward-looking statements included in this press release represent the company's views only as of the date hereof. The company anticipates that subsequent events and developments may cause the company's views to change. However, while the company may elect to update these forward-looking statements at some point in the future, it specifically disclaims any obligation to do so, except as may be required by law.

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Source: Trevena, Inc.

