



## **Data Shows pSivida's Tethadur™ Provides Prolonged, Sustained Release of Avastin® With High Drug Efficacy**

### **Data Presented at 2016 Annual Meeting & Exposition of the Controlled Release Society**

Watertown, MA (July 20, 2016) – pSivida Corp. (NASDAQ:PSDV; ASX:PVA), a leader in the development of sustained release drug delivery products primarily for eye diseases, announced that new data from preclinical studies of pSivida's Tethadur bioerodible technology platform were presented at the 2016 Annual Meeting & Exposition of the Controlled Release Society:

- The Tethadur biodegradable matrix was loaded with the monoclonal antibody Avastin at a high payload of approximately 24% w/w.
- The release of Avastin from the Tethadur matrix was linear over 50 time points following a low initial burst of only 12%.
- Avastin retained a high activity level at its release from Tethadur of over 80% at 30 time points.
- The dissolution of the Tethadur matrix into silicic acid was also linear over 50 time points.

Dr. Catherine Kelly, Senior Scientist, presented the data from *in vitro* studies by pSivida led by Dr. Dinesh Nadarassan in a poster and an oral presentation entitled "Controlled Release of Avastin from the Tethadur Biodegradable Matrix" on July 19, 2016.

Dr. Paul Ashton, president and CEO of pSivida, said, "We are pleased with these Tethadur study results, which demonstrated a number of important points necessary for the sustained biologic drug delivery we are seeking to provide: Avastin was loaded into Tethadur at a high level required for sustained delivery; Tethadur successfully delivered the Avastin on a level, controlled basis over an extended period; the potency of Avastin remained at high levels on release from Tethadur, which is key to providing a sustained therapeutic effect; and Tethadur itself dissolved into silicic acid on a controlled basis. We are continuing to develop and refine our understanding of Tethadur and plan to conduct additional preclinical studies investigating its use for ophthalmic and systemic delivery of biologics. To date, there is no approved sustained release delivery system for biologics, which represent some of the most common drugs in use today, and we are seeking to fill this void with Tethadur."

Tethadur is a tunable, biodegradable, biocompatible silica-based matrix. Tethadur is designed for biologics to be loaded into the matrix and to be released at a controlled rate over time as the Tethadur dissolves into silicic acid. The rate of release is governed by the size of the pores and the surface area of Tethadur.

In 2014, pSivida presented results of earlier research on Tethadur at the 14<sup>th</sup> Annual Meeting of ARVO (Association for Research in Vision and Ophthalmology). Those data demonstrated that sustained release of antibodies such as Avastin is achievable with Tethadur and that the release of the antibodies

is controllable over a wide range by adjusting the pore size and surface area of Tethadur. The studies evaluated Tethadur's release of Avastin release over a period of three weeks.

**About pSivida Corp.** pSivida Corp. ([www.psivida.com](http://www.psivida.com)), headquartered in Watertown, MA, is a leader in the development of sustained release, drug delivery products for treating eye diseases. pSivida has developed three of only four FDA-approved sustained-release treatments for back-of-the-eye diseases. The most recent, ILUVIEN®, a micro-insert for diabetic macular edema, licensed to Alimera Sciences, is currently sold in the U.S. and three EU countries. Retisert®, an implant for posterior uveitis, is licensed to and sold by Bausch & Lomb. pSivida's lead product candidate, Medidur™, a micro-insert for posterior uveitis being independently developed, is currently in pivotal Phase 3 clinical trials, with an NDA anticipated around mid-2017. pSivida's pre-clinical development program is focused on using its core platform technologies Durasert™ and Tethadur™ to deliver drugs and biologics to treat wet and dry age-related macular degeneration, glaucoma, osteoarthritis and other diseases. *To learn more about pSivida please visit [www.psivida.com](http://www.psivida.com) and connect on [Twitter](#), [LinkedIn](#), [Facebook](#) and [Google+](#).*

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We do not undertake any obligation to publicly update or revise our forward-looking statements, even if experience or future changes makes it clear that any projected results expressed or implied in such statements will not be realized.

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