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FIRST FDA-APPROVED MEDICINE MANUFACTURED USING 3D PRINTING TECHNOLOGY NOW AVAILABLE

SPRITAM[®] is Designed to Transform Experience of Taking Epilepsy Medication

BLUE ASH, Ohio, March 22, 2016 – Aprecia Pharmaceuticals today announced that SPRITAM[®] (levetiracetam) tablets, for oral suspension, is now available as an adjunctive therapy in the treatment of partial onset seizures, myoclonic seizures and primary generalized tonic-clonic seizures. SPRITAM is the first prescription drug product approved by the U.S. Food and Drug Administration (FDA) that is manufactured using 3D printing technology. This innovative product disintegrates in the mouth with a sip of liquid and offers a new option for patients, including those who may struggle to take their medicine.

“As we explored potential applications for our 3D printing technology in prescription drug products, it was important that we identified disease areas with a real need for patient-friendly forms of medication,” said Don Wetherhold, CEO of Aprecia. “SPRITAM is designed to transform what it is like to take epilepsy medication, and is the first in a line of products we are developing to provide patients and their caregivers with additional treatment options.”

SPRITAM is formulated with Aprecia’s proprietary ZipDose[®] Technology, which combines the precision of 3D printing and formulation science to produce rapidly disintegrating formulations of medications. Manufactured in a regulated commercial-scale facility, SPRITAM is available in four unit-dose strengths, including 250 mg, 500 mg, 750 mg and 1,000 mg.

Nearly three million people in the United States were living with active epilepsy in 2013,¹ and about 150,000 new cases are being diagnosed every year in the U.S.²

Swallowing challenges can make taking medication difficult. In fact, two separate online surveys found that between 40 percent (N=679) and 50 percent (N=1,000) of surveyed U.S. adults – even those without epilepsy – have experienced difficulty swallowing tablets and capsules.^{3,4,5} Both surveys reported that 8 percent of those who reported swallowing difficulty also admitted to skipping doses of prescribed medication.^{3,4} In a separate survey conducted in epilepsy patients (N=661), adherence issues were shown to have the potential to undermine treatment outcomes, with results indicating that as many as 45 percent of epilepsy patients reported experiencing a seizure after missing a dose of their medication.⁶

For more information, visit www.SPRITAM.com.

About SPRITAM (SPREE-tam) Tablets, for Oral Suspension

Indications and Usage

SPRITAM (levetiracetam) is a prescription medicine taken by mouth that is used with other medicines to treat partial onset seizures in people 4 years of age and older with epilepsy, myoclonic seizures in people 12 years of age and older with juvenile myoclonic epilepsy, and primary generalized tonic-clonic seizures in people 6 years of age and older with certain types of generalized epilepsy. SPRITAM is recommended for use in people weighing 20 kg (44 lbs) or more.

Important Safety Information

SPRITAM may not be for everyone. Ask your healthcare provider if SPRITAM is right for you.

Warnings and Precautions

Antiepileptic drugs, including SPRITAM, may cause suicidal thoughts or actions in a very small number of people, about one in 500. Call your healthcare provider right away if you have new or worsening symptoms of depression, any unusual changes in mood or behavior, or suicidal thoughts, behavior, or thoughts about self harm that you have never had before or may be worse than before.

SPRITAM may cause extreme sleepiness, tiredness, and weakness, and problems with muscle coordination. You should not drive, operate machinery or do other dangerous activities until you know how SPRITAM affects you.

Serious skin rashes can happen after you start taking SPRITAM. There is no way to tell if a mild rash will become a serious reaction. Call your healthcare provider right away if you get a rash while taking SPRITAM.

Do not stop taking SPRITAM unless instructed by your healthcare provider. Stopping a seizure medication suddenly can cause you to have seizures more often or seizures that will not stop, a very serious problem. If you become pregnant or intend to become pregnant, contact your healthcare provider right away.

Common Adverse Reactions

In clinical trials, the most common side effects seen in people who take SPRITAM include sleepiness, weakness, dizziness, and infection. In addition to those previously listed, the most common side effects seen in children who take SPRITAM include tiredness, acting aggressive, nasal congestion, decreased appetite, and irritability.

Talk to your healthcare provider about other possible side effects with SPRITAM. You are encouraged to report negative side effects of prescription drugs to the FDA. Visit www.fda.gov/medwatch or call 1-800-FDA-1088.

For additional safety information, please refer to U.S. [Full Prescribing Information](#) and [Medication Guide](#). This information does not take the place of talking with your healthcare provider about your condition or your treatment.

About ZipDose® Technology

ZipDose Technology combines formulation science with the unique manufacturing capabilities of three-dimensional (3D) printing. Aprecia developed its ZipDose Technology platform using the 3D printing technology that originated at Massachusetts Institute of Technology (M.I.T.). Using 3D printing as a catalyst, Aprecia produces and develops formulations of medicines that rapidly disintegrate with a sip of liquid, even at high dose loads. The company manufactures them on Aprecia's proprietary equipment. Aprecia holds an exclusive, worldwide license for pharmaceutical applications of this 3D printing technology.

About Aprecia

Aprecia is an emerging pharmaceutical company that uses proprietary ZipDose Technology to transform the way people take medicine. Aprecia is the first and only company in the world to utilize 3D printing technology to develop and manufacture pharmaceutical products at commercial scale. Aprecia plans to introduce multiple products utilizing ZipDose Technology in the coming years, focusing first on the central nervous system therapeutic area, where there is a need for medicines that are easy to take. The company is privately owned, with Prasco Laboratories and its parent company, Scion Companies, holding controlling interest. For more information visit www.aprecia.com.

¹ CDC. Epilepsy Fast Facts. Available: <http://www.cdc.gov/epilepsy/basics/fast-facts.htm> Accessed February 2016.

² Epilepsy Foundation. What is Epilepsy? Available: <http://www.epilepsy.com/learn/epilepsy-101/what-epilepsy>. Accessed February 2016.

³ Harris Interactive Inc. Pill-Swallowing Problems in America: A National Survey of Adults. New York, NY: Harris Interactive Inc. for Schwarz Pharma; 2003.

⁴ Hermes Pharma. Market study reveals difficulties swallowing tablets wide-spread and opens up new revenue opportunities. Press release, September 2, 2014.

⁵ OTC Bulletin. "Hermes Highlights Need for Better Formats." 8; July 25, 2014.

⁶ Cramer JA, Glassman M, Rienzi V. The relationship between poor medication compliance and seizures. *Epilepsy Behav.* 2002;3(4):338-342.