

ASTRAZENECA PLC  
Form 6-K  
December 23, 2015

FORM 6-K

SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

Report of Foreign Issuer

Pursuant to Rule 13a-16 or 15d-16 of  
the Securities Exchange Act of 1934

For the month of December 2015

Commission File Number: 001-11960

AstraZeneca PLC

2 Kingdom Street, London W2 6BD

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F  Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): \_\_\_\_\_

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes  No

If "Yes" is marked, indicate below the file number assigned to the Registrant in connection with Rule 12g3-2(b): 82- \_\_\_\_\_

ZURAMPIC® (LESINURAD) APPROVED BY US FDA  
FOR PATIENTS WITH GOUT

AstraZeneca today announced that the US Food and Drug Administration (FDA) has approved ZURAMPIC® (lesinurad) 200mg tablets in combination with a xanthine oxidase inhibitor (XOI) for the treatment of hyperuricemia associated with gout in patients who have not achieved target serum uric acid (sUA) levels with an XOI alone.

ZURAMPIC inhibits the urate transporter, URAT1, which is responsible for the majority of the renal reabsorption of uric acid. By inhibiting URAT1, ZURAMPIC increases uric acid excretion and thereby lowers sUA.

In combination with the current standard of care, XOIs allopurinol or febuxostat, ZURAMPIC provides a dual mechanism of action to increase excretion and decrease production of uric acid, enabling more patients with inadequately controlled gout to achieve target treatment goals.

Sean Bohan, Executive Vice President of Global Medicines Development and Chief Medical Officer, AstraZeneca, said: "With the FDA approval of ZURAMPIC, we are pleased to offer a new treatment option for the many patients who are suffering from the effects of gout and who are not reaching the recommended serum uric acid treatment targets with the current standard of care."

The FDA approval is based on data from three pivotal Phase III studies, CLEAR1, CLEAR2 and CRYSTAL, which represent the largest clinical trial data set of gout patients (n=1,537 total) treated with combination urate lowering therapy.

Gout is a serious and debilitating form of inflammatory arthritis caused by hyperuricemia (elevated sUA). It affects millions of people around the globe, many of whom do not reach recommended sUA treatment goals on XOIs, which decrease production of uric acid. For those inadequately controlled patients, the addition of a urate-lowering therapy to increase excretion of uric acid may help them achieve treatment goals.

Dr. Lawrence Edwards, Chairman and Chief Executive Officer of the Gout and Uric Acid Education Society (GUAES), said: "A new approach to treating gout is long overdue given there has been limited therapy innovation over the last 50 years. Combination therapy with ZURAMPIC is an important addition to the medicines available to physicians that will help more gout patients reach their serum uric acid treatment targets, which may ultimately relieve their suffering from this painful disease."

ZURAMPIC is also under regulatory review in the European Union and other territories. On 18 December 2015, the Committee for Medicinal Products for Human Use (CHMP) of the European Medicines Agency (EMA) adopted a positive opinion recommending the marketing authorisation of ZURAMPIC 200mg tablets. ZURAMPIC, in combination with an XOI, is recommended for the adjunctive treatment of hyperuricaemia in gout patients (with or without tophi) who have not achieved target sUA levels with an adequate dose of an XOI alone.

About ZURAMPIC® (lesinurad) 200mg tablets

ZURAMPIC® (lesinurad) 200mg tablets inhibits the urate transporter, URAT1, which is responsible for the majority of the renal reabsorption of uric acid. By inhibiting URAT1, ZURAMPIC increases uric acid excretion and thereby lowers serum uric acid (sUA). ZURAMPIC also inhibits organic anion transporter (OAT) 4 a uric acid transporter involved in diuretic-induced hyperuricemia. In addition, in people, ZURAMPIC does not inhibit OAT1 and OAT3, which are drug transporters in the kidney associated with drug-drug interactions.

About the ZURAMPIC Development Programme

CLEAR1 and CLEAR2 (see prior release on this topic here) were pivotal Phase III studies that evaluated the efficacy and safety of a once daily dose of ZURAMPIC in combination with allopurinol compared to allopurinol alone. In CLEAR1 and CLEAR2, ZURAMPIC when used in combination with allopurinol, met the primary endpoint in both studies with approximately twice as many patients achieving the serum uric acid (sUA) goal of <6.0mg/dL (360

µmol/L) by month 6, compared to those treated with allopurinol alone.

CRYSTAL (see prior release on this topic here) was a pivotal Phase III study that evaluated the efficacy and safety of a once daily dose of ZURAMPIC in combination with febuxostat 80mg compared to febuxostat 80mg alone in gout patients with tophi (visible deposits of urate crystals in joints and skin). Patients were administered febuxostat 80mg orally once daily for 3 weeks before randomisation. In CRYSTAL, results showed ZURAMPIC 200mg in combination with febuxostat demonstrated greater (nominal  $p < 0.05$ ) sUA lowering to the target for tophaceous gout of  $< 5.0\text{mg/dL}$  ( $300\ \mu\text{mol/L}$ ) compared to febuxostat alone at all months except at the time of the primary endpoint, month 6 (56.6% vs. 46.8%, non significant). In the subgroup of patients with baseline sUA  $\geq 5.0\text{mg/dL}$  ( $300\ \mu\text{mol/L}$ ) (i.e. those above recommended sUA treatment target for tophaceous gout on febuxostat alone), ZURAMPIC 200mg in combination with febuxostat resulted in more subjects reaching target sUA of  $< 5.0\text{mg/dL}$  ( $300\ \mu\text{mol/L}$ ) compared to febuxostat alone at month 6.

In a pooled analysis of the three clinical trials, the safety profile was similar for ZURAMPIC 200mg in combination with an XOI to that of an XOI alone, with the exception of an increased incidence of predominantly reversible serum creatinine (sCr) elevations.

#### About Hyperuricemia and Gout

Gout is a serious, chronic, progressive, and debilitating form of inflammatory arthritis that affects more than 15.8 million people in major markets.\* The underlying cause of gout is hyperuricemia (elevated sUA), which leads to the deposition of crystals primarily in the joints and in other tissues. This can result in recurrent attacks of inflammatory arthritis and, if left uncontrolled, could lead to chronic, progressive arthritis, and tophus (visible deposits of urate crystals) formation.

The goal of sUA lowering treatment is to reduce sUA levels to the target level of  $< 6.0\text{mg/dL}$  ( $360\ \mu\text{mol/L}$ ) as recommended by both the American College of Rheumatology (ACR) and the European League Against Rheumatism (EULAR). In those with greater disease severity and urate burden, such as those with tophi, guidelines recommend lowering sUA to  $< 5.0\text{mg/dL}$  ( $300\ \mu\text{mol/L}$ ) to achieve better disease control.

Among patients treated in clinical trials, less than 50% of patients on allopurinol 300mg reached sUA target levels  $< 6.0\text{mg/dL}$  ( $360\ \mu\text{mol/L}$ ). For patients who cannot reach target on an XOI alone, the current ACR and EULAR guidelines recommend adding an agent that increases uric acid excretion.

\*Major markets include the United States, France, Germany, Italy, Spain, the United Kingdom and Japan

#### About Ardea Biosciences

Ardea Biosciences is a member of the AstraZeneca Group, located in San Diego, California. Ardea is leading the development of AstraZeneca's gout portfolio, including ZURAMPIC and RDEA3170. RDEA3170 is a potent selective uric acid reabsorption inhibitor (SURI), also intended for use as a combination urate lowering therapy with xanthine oxidase inhibitors (XOIs). RDEA3170 is our lead investigational urate lowering therapy (ULT) in Asia and is currently entering a Phase IIb trial worldwide.

#### About AstraZeneca

AstraZeneca is a global, innovation-driven biopharmaceutical business that focuses on the discovery, development and commercialisation of prescription medicines, primarily for the treatment of diseases in three main therapy areas - respiratory, inflammation, autoimmune disease (RIA), cardiovascular and metabolic disease (CVMD) and oncology - as well as in infection and neuroscience. AstraZeneca operates in over 100 countries and its innovative medicines are used by millions of patients worldwide. For more information please visit: [www.astrazeneca.com](http://www.astrazeneca.com)

23 December 2015

-ENDS-

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

AstraZeneca PLC

Date: 23 December 2015

By: /s/ Adrian Kemp  
Name: Adrian Kemp  
Title: Company Secretary