

**IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF DELAWARE**

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ASTRAZENECA AB and )  
ASTRAZENECA PHARMACEUTICALS )  
LP, )  
Plaintiffs, )  
v. ) Civil Action No. \_\_\_\_\_  
CHANGZHOU PHARMACEUTICAL )  
FACTORY, )  
Defendant. )  
\_\_\_\_\_  
)

**COMPLAINT FOR PATENT INFRINGEMENT**

Plaintiffs AstraZeneca AB and AstraZeneca Pharmaceuticals LP (collectively “AstraZeneca” or “Plaintiffs”), by its attorneys, hereby alleges as follows:

**NATURE OF THE ACTION**

1. This is an action for patent infringement arising under the patent laws of the United States, Title 35, United States Code, against defendant Changzhou Pharmaceutical Factory (“Changzhou” or “Defendant”). This action relates to Abbreviated New Drug Application (“ANDA”) No. 216187 (“ticagrelor ANDA”) filed by Defendant with the U.S. Food and Drug Administration (“FDA”) for approval to market generic versions of AstraZeneca’s BRILINTA® (ticagrelor) drug product prior to expiration of AstraZeneca’s U.S. Patent No. 8,425,934 (“the ’934 patent”), that is listed in the *Approved Drug Products with Therapeutic Equivalence Evaluations* (“Orange Book”) for BRILINTA®.

**PARTIES**

2. AstraZeneca is engaged in the business of creating, developing, and bringing to market revolutionary biopharmaceutical products to help patients prevail against serious diseases, including treatments for cardiovascular diseases.

3. Plaintiff AstraZeneca AB is a company operating and existing under the laws of Sweden, with its principal place of business at SE-151 85 Södertälje, Sweden. AstraZeneca AB is the owner of the '934 patent. Defendant specifically directed a letter dated July 26, 2021 with the heading "Re: Notice of Paragraph IV Certification Re: Changzhou Pharmaceutical Factory's Ticagrelor Tablets, 60 mg and 90 mg; U.S. Patent No. 8,425,934 ("Notice Letter") to AstraZeneca AB.

4. Plaintiff AstraZeneca Pharmaceuticals LP is a limited partnership operating and existing under the laws of Delaware, with its principal place of business at One MedImmune Way, Gaithersburg, Maryland 20878. AstraZeneca Pharmaceuticals LP is the holder of New Drug Application ("NDA") No. 022433 for BRILINTA® (ticagrelor). AstraZeneca Pharmaceuticals LP markets and sells BRILINTA® in this judicial district and throughout the United States. Defendant specifically directed the Notice Letter to AstraZeneca Pharmaceuticals LP.

5. On information and belief, Changzhou is a corporation organized and existing under the laws of China, having a principal place of business at No. 518 Laodong East Road Changzhou, Jiangsu, 213018 China. On information and belief, Changzhou, itself and through its affiliates and subsidiaries, formulates, manufactures, packages, and markets generic drug products for distribution in the District of Delaware and throughout the United States.

6. On information and belief, Defendant developed the proposed generic product that is the subject of the ticagrelor ANDA to seek regulatory approval from FDA to market and sell the proposed ANDA product throughout the United States, including within Delaware.

7. On information and belief, and consistent with its practice with respect to other generic products, following FDA approval of the ticagrelor ANDA, Defendant will distribute and sell the generic product described in the ticagrelor ANDA throughout the United States and within Delaware.

**JURISDICTION AND VENUE**

8. Each of the preceding paragraphs 1 to 7 is re-alleged and re-incorporated as if fully set forth herein.

9. This action arises under the patent laws of the United States, 35 U.S.C. §§ 100, *et seq.*, and this Court has jurisdiction over the subject matter of this action under 28 U.S.C. §§ 1331, 1338(a), 2201, and 2202.

10. Venue is proper in this Court under 28 U.S.C. §§ 1391 and 1400(b).

11. On information and belief, venue is proper in the District of Delaware for Changzhou because it is a Chinese corporation “not resident in the United States” that accordingly “may be sued in any judicial district” for venue purposes. 28 U.S.C. § 1391(c)(3); *see also In re HTC Corp.*, 889 F.3d 1349, 1354 (Fed. Cir. 2018) (reaffirming the “long-established rule that suits against aliens are wholly outside the operation of all the federal venue laws, general and special” (quoting *Brunette Mach. Works, Ltd. v. Kockum Indus., Inc.*, 406 U.S. 706, 714 (1972))).

12. Changzhou is subject to specific personal jurisdiction in this District based on the filing of its ticagrelor ANDA with a Paragraph IV certification regarding the '934 patent. *See Acorda Therapeutics Inc. v. Mylan Pharm. Inc.*, 817 F.3d 755, 762-63 (Fed. Cir. 2016).

13. As in *Acorda*, Changzhou "has taken the costly, significant step of applying to the FDA for approval to engage in future activities—including the marketing of its generic drugs—that will be purposefully directed at," on information and belief, this District and elsewhere. *Acorda Therapeutics*, 817 F.3d at 759.

14. Changzhou's "ANDA filings constitute formal acts that reliably indicate plans to engage in marketing of the proposed generic drugs." *Acorda Therapeutics*, 817 F.3d at 760.

15. As in *Acorda*, on information and belief Changzhou, alone and/or in concert with its affiliates, "intends to direct sales of its drugs" into this District, among other places, "once it has the requested FDA approval to market them." *Acorda Therapeutics*, 817 F.3d at 758.

16. On information and belief, Changzhou, alone and/or in concert with its affiliates, will engage in marketing of its proposed ticagrelor ANDA product in Delaware, upon approval of its ticagrelor ANDA.

17. Changzhou's ANDA filing, including its Paragraph IV certification regarding the '934 patent at issue here, is suit-related and has a substantial connection with this District because it reliably, non-speculatively predicts activities in this District by Defendant.

18. "[T]he minimum-contacts standard is satisfied by the particular actions [Defendant] has already taken—its ANDA filing[]—for the purpose of engaging in that injury-causing and allegedly wrongful marketing conduct" in this District. *Acorda Therapeutics*, 817 F.3d at 760.

19. On information and belief, Changzhou developed the proposed generic product that is the subject of the ticagrelor ANDA to seek regulatory approval from FDA to market and sell the proposed ANDA product in the District of Delaware and throughout the United States.

20. On information and belief, Changzhou works either alone or in concert with its affiliates with respect to the regulatory approval, manufacturing, marketing, sale, and distribution of generic pharmaceutical products in the District of Delaware and throughout the United States.

21. In the Notice Letter, Defendant notified AstraZeneca Pharmaceuticals LP that it had submitted its ticagrelor ANDA to the FDA under Section 505(j) of the Federal Food, Drug, and Cosmetic Act (21 U.S.C. § 355(j)). The Notice Letter was sent by Changzhou to AstraZeneca Pharmaceuticals LP in the United States, specifically in this District.

22. On information and belief, the preparation and submission of the ticagrelor ANDA was done by, at the direction, under the control, and/or for the direct benefit of Changzhou.

23. Further, on information and belief, Changzhou will manufacture, market, and/or sell within the United States the generic product described in the ticagrelor ANDA if FDA approval is granted. If the ticagrelor ANDA is approved, on information and belief the generic product would, among other things, be marketed and distributed in Delaware, prescribed by physicians practicing in Delaware, and dispensed by pharmacies located within Delaware, and/or used by patients in Delaware, all of which would have a substantial effect on Delaware.

24. This Court also has personal jurisdiction over Changzhou because, *inter alia*, Changzhou has purposefully availed itself of the rights and benefits of Delaware law by engaging in systematic and continuous contacts with the State of Delaware. On information and belief, Changzhou regularly and continuously transacts business within the state of Delaware,

including by selling pharmaceutical products in Delaware, directly and/or through affiliates, and/or by continuously and systematically placing goods into the stream of commerce for distribution throughout the United States, including Delaware. On information and belief, Changzhou derives substantial revenue from the sale of those products in Delaware and has availed itself of the privilege of conducting business within the State of Delaware.

25. For these reasons and for other reasons that will be presented to the Court if jurisdiction is challenged, the Court has personal jurisdiction over Changzhou.

**PATENT-IN-SUIT**

26. On April 23, 2013, the U.S. Patent and Trademark Office duly and legally issued the '934 patent, entitled "Pharmaceutical compositions." A true and correct copy of the '934 patent is attached hereto as **Exhibit A**. The claims of the '934 patent are valid and enforceable. AstraZeneca AB is the owner of the '934 patent by assignment and has the right to enforce it.

27. AstraZeneca Pharmaceuticals LP is the holder of NDA No. 022433 by which FDA granted approval for the marketing and sale of ticagrelor tablets in 90 mg and 60 mg dosage strengths, to reduce the rate of cardiovascular death, myocardial infarction, and stroke in patients with acute coronary syndrome (ACS) or a history of myocardial infarction (MI), to reduce the risk of stent thrombosis in patients who have been stented for treatment of ACS, and to reduce the risk of a first MI or stroke in patients with coronary artery disease (CAD) at high risk for such events. AstraZeneca markets ticagrelor tablets in the United States, through AstraZeneca Pharmaceuticals LP, under the trade name "BRILINTA®." FDA's official publication of approved drugs, the Orange Book, includes BRILINTA® in 90 mg and 60 mg dosage strengths together with Orange Book-listed patents protecting BRILINTA® and its use, including the '934 patent.

**INFRINGEMENT BY DEFENDANT**

28. Each of the preceding paragraphs 1 to 27 is re-alleged and re-incorporated as if fully set forth herein.

29. In the Notice Letter, Changzhou notified AstraZeneca Pharmaceuticals LP that it had submitted its ticagrelor ANDA to the FDA under Section 505(j) of the Federal Food, Drug, and Cosmetic Act (21 U.S.C. § 355(j)).

30. The Notice Letter states that Changzhou is seeking approval from FDA to engage in the commercial manufacture, use, or sale of generic ticagrelor tablets before the expiration of, *inter alia*, the '934 patent. On information and belief, Changzhou intends to engage in the commercial manufacture, use, and sale of its generic ticagrelor tablets after receiving FDA approval to do so.

31. In the Notice Letter, Changzhou notified AstraZeneca that its ANDA contained a "Paragraph IV certification" asserting that the '934 patent is invalid, unenforceable, and/or will not be infringed by the commercial manufacture, use, and sale of Changzhou's generic ticagrelor tablets.

32. This Complaint is being filed before the expiration of the forty-five days from the date AstraZeneca received the Notice Letter.

**COUNT I (INFRINGEMENT OF THE '934 PATENT)**

33. Each of the preceding paragraphs 1 to 32 is re-alleged and re-incorporated as if fully set forth herein.

34. Defendant's submission of its ticagrelor ANDA to obtain approval to engage in the commercial manufacture, use, offer to sell, or sale of generic ticagrelor tablets prior to the expiration of the '934 patent constituted an act of infringement under 35 U.S.C. § 271(e)(2)(A).

35. On information and belief, upon FDA approval of Defendant's ticagrelor ANDA, Defendant will further infringe at least claim 1 of the '934 patent by making, using, offering to sell, and selling its generic ticagrelor tablets in the United States and/or importing such tablets into the United States in violation of 35 U.S.C. §§ 271(a), 271(b), and/or 271(c) unless enjoined by the Court.

36. If Defendant's marketing and sale of generic ticagrelor tablets prior to expiration of the '934 patent and all other relevant exclusivities is not enjoined, AstraZeneca will suffer substantial and irreparable harm for which there is no remedy at law.

**PRAAYER FOR RELIEF**

WHEREFORE, AstraZeneca respectfully prays that this Court grant the following relief:

1. A judgment that the claims of the '934 patent are not invalid, not unenforceable, and are infringed by Defendant's submission of its ticagrelor ANDA, and that Defendant's making, using, offering to sell, or selling in the United States, or importing into the United States Defendant's generic ticagrelor tablets will infringe the '934 patent.

2. An order pursuant to 35 U.S.C. § 271(e)(4)(A) providing that the effective date of any approval of Defendant's ticagrelor ANDA shall be a date which is not earlier than the latest expiration date of the '934 patent, including any extensions and/or additional periods of exclusivity to which AstraZeneca is or becomes entitled.

3. An order permanently enjoining Defendant, its affiliates, subsidiaries, and each of its officers, agents, servants and employees, and those acting in privity or concert with them, from making, using, offering to sell, or selling in the United States, or importing into the United States Defendant's generic ticagrelor tablets until after the latest expiration date of the '934 patent,

including any extensions and/or additional periods of exclusivity to which AstraZeneca is or becomes entitled.

4. Damages or other monetary relief to AstraZeneca if Defendant engages in commercial manufacture, use, offers to sell, sale, or importation in or into the United States of Defendant's generic ticagrelor tablets prior to the latest expiration date of the '934 patent, including any extensions and/or additional periods of exclusivity to which AstraZeneca is or becomes entitled.

5. Such further and other relief as this Court deems proper and just, including any appropriate relief under 35 U.S.C. § 285.

DATED: September 9, 2021

MCCARTER & ENGLISH, LLP

OF COUNSEL:

Charles E. Lipsey  
Ryan P. O'Quinn  
FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.  
1875 Explorer Street, Suite 800  
Reston, VA 20190  
(571) 203-2700  
(202) 408-4400 (fax)  
Charles.Lipsey@finnegan.com  
oquinnr@finnegan.com

*/s/ Daniel M. Silver*

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Michael P. Kelly (#2295)  
Daniel M. Silver (#4758)  
Alexandra M. Joyce (#6423)  
Renaissance Centre  
405 N. King Street, 8th Floor  
Wilmington, Delaware 19801  
(302) 984-6300  
mkelly@mccarter.com  
dsilver@mccarter.com  
ajoyce@mccarter.com

*Attorneys for Plaintiffs AstraZeneca AB and  
AstraZeneca Pharmaceuticals LP*

Mark J. Feldstein  
Jill K. MacAlpine  
FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.  
901 New York Ave., N.W.  
Washington, D.C. 20001  
(202) 408-4000  
Mark.Feldstein@finnegan.com  
Jill.MacAlpine@finnegan.com