US010010507B1

(12) **United States Patent**
Chong et al.

(10) **Patent No.: US 10,010,507 B1**
(45) **Date of Patent: Jul. 3, 2018**

(54) **PHARMACEUTICAL FORMULATIONS OF A BRUTON'S TYROSINE KINASE INHIBITOR**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **15/909,779**

(22) Filed: **Mar. 1, 2018**

Related U.S. Application Data

(63) Continuation of application No. 15/862,995, filed on Jan. 5, 2018, which is a continuation of application No. 15/467,414, filed on Mar. 23, 2017, now abandoned, which is a continuation of application No. 15/060,010, filed on Mar. 3, 2016, now Pat. No. 9,655,857.

(60) Provisional application No. 62/193,518, filed on Jul. 16, 2015, provisional application No. 62/127,717, filed on Mar. 3, 2015.

(51) **Int. Cl.**
A61K 31/52 (2006.01)
A61K 9/20 (2006.01)
A61K 31/519 (2006.01)

(52) **U.S. Cl.**
CPC ***A61K 9/2054*** (2013.01); ***A61K 9/2009*** (2013.01); ***A61K 9/2013*** (2013.01); ***A61K 9/2018*** (2013.01); ***A61K 9/2027*** (2013.01); ***A61K 9/2095*** (2013.01); ***A61K 31/519*** (2013.01)

(58) **Field of Classification Search**
CPC C07D 473/00
USPC 514/263.22
See application file for complete search history.

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(57) **ABSTRACT**

Described herein are pharmaceutical formulations of Bruton's tyrosine kinase (Btk) inhibitor 1-((R)-3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl)piperidin-1-yl)prop-2-en-1-one. Also disclosed are methods of using the Btk inhibitor, alone or in combination with other therapeutic agents, for the treatment of autoimmune diseases or conditions, heteroimmune diseases or conditions, cancer, including lymphoma, and inflammatory diseases or conditions.

28 Claims, 3 Drawing Sheets