



US 20190091201A1

(19) **United States**(12) **Patent Application Publication**  
**PATEL et al.**(10) **Pub. No.: US 2019/0091201 A1**(43) **Pub. Date: Mar. 28, 2019**(54) **PKC-DELTA-I INHIBITOR FORMULATIONS  
AND USES THEREOF****Related U.S. Application Data**

(60) Provisional application No. 62/308,335, filed on Mar. 15, 2016.

(71) Applicants: **UNIVERSITY OF SOUTH  
FLORIDA**, Tampa, FL (US); **THE  
UNITED STATES GOVERNMENT AS  
REPRESENTED BY THE  
DEPARTMENT OF VETERANS  
AFFAIRS OFFICE OF THE,**  
Washington, DC (US)**Publication Classification**(51) **Int. Cl.***A61K 31/4035* (2006.01)*A61K 31/357* (2006.01)*A61K 31/4184* (2006.01)*A61K 31/444* (2006.01)*A61K 31/519* (2006.01)*A61K 31/4965* (2006.01)*A61P 3/04* (2006.01)(52) **U.S. Cl.**CPC ..... *A61K 31/4035* (2013.01); *A61K 31/357*  
(2013.01); *A61K 31/4184* (2013.01); *A61P*  
*3/04* (2018.01); *A61K 31/519* (2013.01); *A61K*  
*31/4965* (2013.01); *A61K 31/444* (2013.01)(72) Inventors: **NIKETA A. PATEL**, LAND O'  
LAKES, FL (US); **REKHA S. PATEL**,  
TAMPA, FL (US); **ROBERT  
PLEASANTS SPARKS**, TAMPA, FL  
(US); **WAYNE CHARLES GUIDA**,  
SAINT PETE BEACH, FL (US)(73) Assignee: **University of South Florida**, Tampa,  
FL (US)(21) Appl. No.: **16/085,221**(57) **ABSTRACT**(22) PCT Filed: **Mar. 15, 2017**Provided herein are formulations that can contain an effective amount of a PKC $\delta$  inhibitor. Also provided herein are methods of inhibiting a PKC $\delta$  in a subject in need thereof, that can include the step of administering an effective amount of a compound that is capable of inhibiting a PKC $\delta$ .(86) PCT No.: **PCT/US2017/022538**

§ 371 (c)(1),

(2) Date: **Sep. 14, 2018**