US 20210330678A1

(19) United States

(12) Patent Application Publication

(10) Pub. No.: US 2021/0330678 A1

(43) Pub. Date: Oct. 28, 2021

Agarwal et al.

(54) **PAPD5 INHIBITORS AND METHODS OF USE THEREOF**

(71) Applicant: **Children`s Medical Center Corporation**, Boston, MA (US)

(72) Inventors: **Suneet Agarwal**, Lexington, MA (US); **Neha Nagpal**, Boston, MA (US)

(21) Appl. No.: **17/273,937**

(22) PCT Filed: **Sep. 5, 2019**

(86) PCT No.: **PCT/US2019/049819**

§ 371 (c)(1),
(2) Date: **Mar. 5, 2021**

Related U.S. Application Data

(60) Provisional application No. 62/819,147, filed on Mar. 15, 2019, provisional application No. 62/727,443, filed on Sep. 5, 2018.

Publication Classification

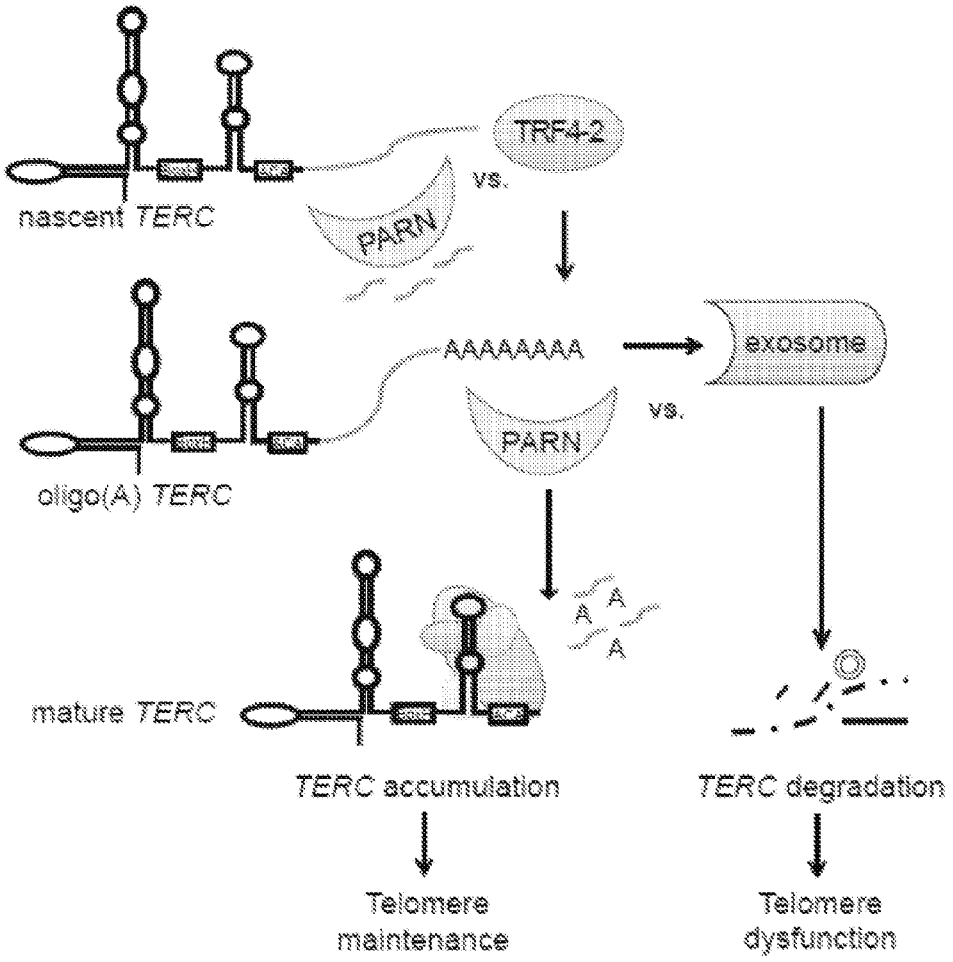
(51) **Int. Cl.**

A61K 31/553	(2006.01)
A61K 31/4745	(2006.01)
A61K 31/4025	(2006.01)
A61K 31/5025	(2006.01)
A61K 31/5365	(2006.01)
A61K 31/4375	(2006.01)
A61P 7/06	(2006.01)
C12N 5/074	(2006.01)
C12N 5/0783	(2006.01)
C12N 5/0735	(2006.01)

(52) **U.S. Cl.**

CPC ***A61K 31/553*** (2013.01); ***A61K 31/4745*** (2013.01); ***A61K 31/4025*** (2013.01); ***A61K 31/5025*** (2013.01); ***A61K 31/5365*** (2013.01); *C12N 2501/999* (2013.01); ***A61P 7/06*** (2018.01); ***C12N 5/0696*** (2013.01); ***C12N 5/0636*** (2013.01); ***C12N 5/0606*** (2013.01); ***C12N 5/0646*** (2013.01); ***A61K 31/4375*** (2013.01)

(57) **ABSTRACT**

The disclosure relates to compounds that are, e.g., PAP Associated Domain Containing 5 (PAPD5) inhibitors and methods of use thereof.

Specification includes a Sequence Listing.