US 20210115083A1

(19) United States

(12) Patent Application Publication

Guo et al.

(10) Pub. No.: US 2021/0115083 A1

(43) Pub. Date: Apr. 22, 2021

(54) **RNA NANOPARTICLES FOR BRAIN TUMOR TREATMENT**

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(21) Appl. No.: **16/813,087**

(22) Filed: **Mar. 9, 2020**

Related U.S. Application Data

(62) Division of application No. 15/554,360, filed on Aug. 29, 2017, now Pat. No. 10,584,144, filed as application No. PCT/US2016/021447 on Mar. 9, 2016.

(60) Provisional application No. 62/130,459, filed on Mar. 9, 2015.

Publication Classification

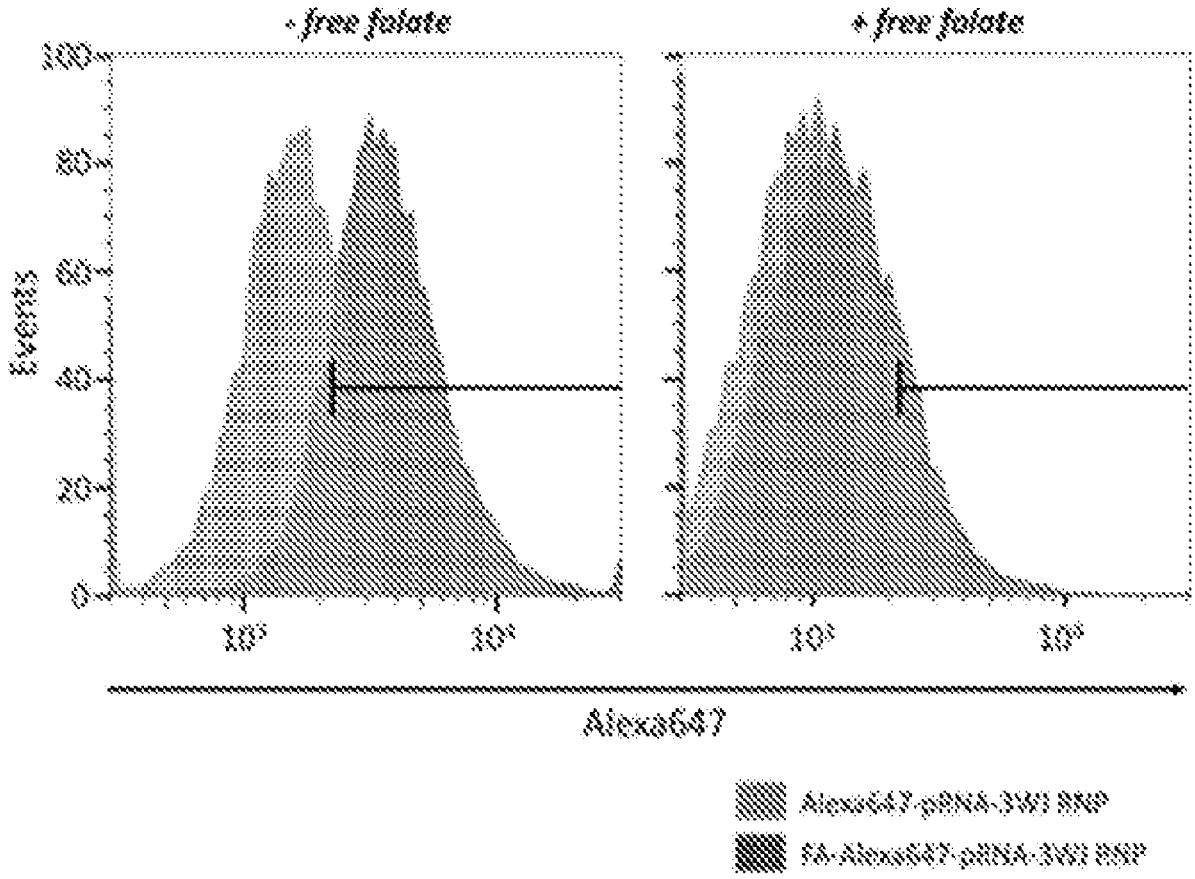
(51) **Int. Cl.**

C07H 21/02	(2006.01)
C12N 15/113	(2006.01)
A61K 47/55	(2006.01)
C12N 15/11	(2006.01)
A61K 47/69	(2006.01)
A61P 35/00	(2006.01)
C12N 15/115	(2006.01)

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

CPC ***C07H 21/02*** (2013.01); ***C12N 15/113*** (2013.01); ***A61K 47/551*** (2017.08); *B82Y 5/00* (2013.01); ***A61K 47/6929*** (2017.08); ***A61P 35/00*** (2018.01); ***C12N 15/115*** (2013.01); ***C12N 15/111*** (2013.01)

(57) **ABSTRACT**

The presently-disclosed subject matter relates to an artificial RNA nanostructure molecule and method to treat brain tumor in a subject. More particularly, the presently disclosed subject matter relates to a RNA nanostructure containing a multiple branched RNA nanoparticle, a brain tumor targeting module, and an effective amount of a therapeutic agent. Further, the presently disclosed subject matter relates to a method of using the RNA nanostructure composition to treat brain tumor in a subject having or at risk of having brain tumor.

Specification includes a Sequence Listing.