



US009409927B2

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

(10) **Patent No.:** **US 9,409,927 B2**  
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **SUPER LEWIS ACIDIC BORATE ESTERS AS 18F-LABELED PET PROBES**

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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.: **14/762,544**

(22) PCT Filed: **Jan. 24, 2014**

(86) PCT No.: **PCT/US2014/013055**

§ 371 (c)(1),

(2) Date: **Jul. 22, 2015**

(87) PCT Pub. No.: **WO2014/117028**

PCT Pub. Date: **Jul. 31, 2014**

(65) **Prior Publication Data**

US 2015/0361110 A1 Dec. 17, 2015

**Related U.S. Application Data**

(60) Provisional application No. 61/756,075, filed on Jan. 24, 2013.

(51) **Int. Cl.**

**C07F 5/04** (2006.01)

**C07B 59/00** (2006.01)

**C07K 7/56** (2006.01)

(52) **U.S. Cl.**  
CPC . **C07F 5/04** (2013.01); **C07B 59/00** (2013.01); **C07B 59/004** (2013.01); **C07B 59/008** (2013.01); **C07K 7/56** (2013.01); **C07B 2200/05** (2013.01)

(58) **Field of Classification Search**  
CPC ..... **C07F 5/04**; **C07B 59/00**  
See application file for complete search history.

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(57) **ABSTRACT**

Compounds having a 1-bora-1-fluoro-2,6,7-trioxabicyclo [2.2.2]octane moiety wherein the fluorine is <sup>18</sup>F are described. Also described are reagents for radiolabeling a molecule having Formula I. Method for radiolabeling molecules with the disclosed reagents are also described, as are radiolabeled molecules prepared thereby.

**11 Claims, 8 Drawing Sheets**