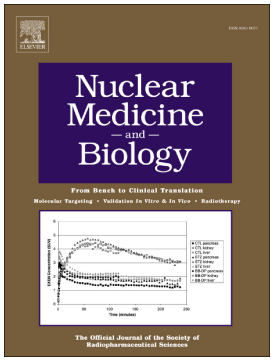

Microscale radiosynthesis, preclinical imaging and dosimetry study of [18F]AMBF3-TATE: a potential PET tracer for clinical imaging of somatostatin receptors

Ksenia Lisova, Maxim Sergeev, Susan Evans-Axelsson, Andreea D. Stuparu, Seval Beykan, Jeffrey Collins, Jason Jones, Michael Lassmann, Ken Herrmann, David Perrin, Jason T. Lee, Roger Slavik, Michael van Dam

PII: S0969-8051(18)30077-5
DOI: doi:10.1016/j.nucmedbio.2018.04.001
Reference: NMB 8008

To appear in:

Received date: 6 March 2018
Revised date: 28 March 2018
Accepted date: 1 April 2018

Please cite this article as: Ksenia Lisova, Maxim Sergeev, Susan Evans-Axelsson, Andreea D. Stuparu, Seval Beykan, Jeffrey Collins, Jason Jones, Michael Lassmann, Ken Herrmann, David Perrin, Jason T. Lee, Roger Slavik, Michael van Dam , Microscale radiosynthesis, preclinical imaging and dosimetry study of [18F]AMBF3-TATE: a potential PET tracer for clinical imaging of somatostatin receptors. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Nmb(2018), doi:10.1016/j.nucmedbio.2018.04.001

Microscale radiosynthesis, preclinical imaging and dosimetry study of [^{18}F]AMBF$_3$-TATE: a potential PET tracer for clinical imaging of somatostatin receptors

Ksenia Lisova[1,2,3], Maxim Sergeev[2,3,5], Susan Evans-Axelsson[3,4], Andreea D. Stuparu[3,4], Seval Beykan[6], Jeffrey Collins[2,3], Jason Jones[1,2,3], Michael Lassmann[6], Ken Herrmann[3,4,7], David Perrin[8], Jason T. Lee[2,3,7,*], Roger Slavik[3,4,7,*], Michael van Dam[1,2,3,7,*]

[1]Physics in Biology and Medicine Interdepartmental Graduate Program; [2]Crump Institute for Molecular Imaging; [3]Department of Molecular & Medical Pharmacology; [4]Ahmanson Translational Imaging Division; David Geffen School of Medicine, University of California Los Angeles, Los Angeles, CA, USA. [5]Current address: Department of Radiology, University Hospitals of Cleveland Medical Center, Cleveland, OH, USA. [6]Department of Nuclear Medicine, University of Würzburg, Würzburg, Germany. [7]Jonsson Comprehensive Cancer Center (JCCC), UCLA, Los Angeles, CA, USA. [8]Department of Chemistry, University of British Columbia, Vancouver, BC, Canada.

[*]Corresponding authors:
R. Michael van Dam, Email: mvandam@mednet.ucla.edu
Address: 4323 CNSI, 570 Westwood Plaza, Los Angeles, CA 90095, USA; Phone: +1-310-206-6507

Roger Slavik, Email: rslavik@mednet.ucla.edu
Address: AR-274 CHS, 10833 Le Conte Avenue, Los Angeles, CA 90095, USA; Phone: +1-310-206-5459

Jason T. Lee, Email: jasontlee@mednet.ucla.edu
Address: 2151 CNSI, 570 Westwood Plaza, Los Angeles, CA 90095, USA; Phone: +1-310-825-7137

Abbreviated title:
[^{18}F]AMBF$_3$-TATE: Microsynthesis and evaluation