Cannabinoid Receptor Type 2 Radiotracers (Thiophene-Based)

ACE®
Ultra-inert
UHPLC & HPLC Columns

Application #**AN4480**

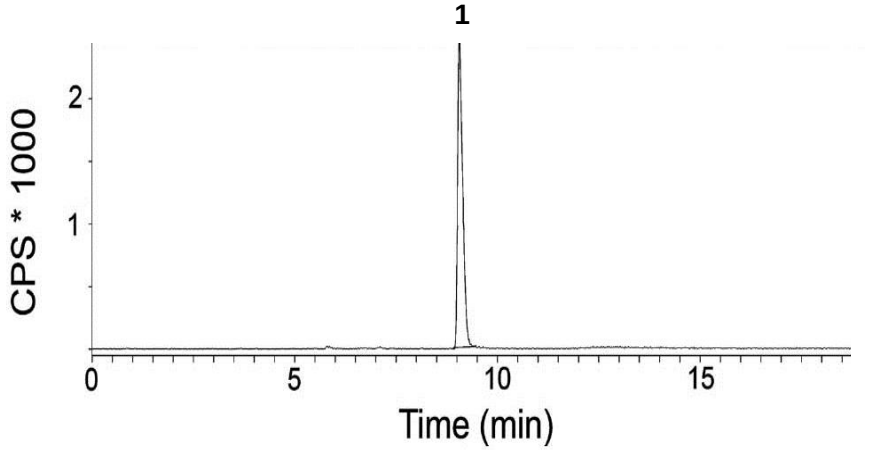
Conditions

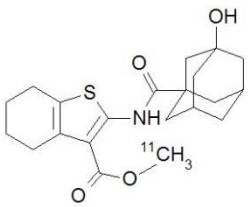
Column:	ACE 3 C18
Dimensions:	50 x 4.6 mm
Part Number:	ACE-111-0546
Mobile Phase:	A: 0.1% TFA in H_2O
	B: MeCN

Time (mins)	%B
0	20
2	20
12	95
15	95
20	20

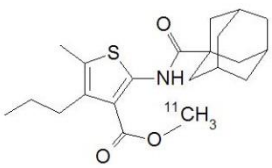
Flow Rate:	1 mL/min
Temperature:	23 °C
Detection:	Radio Detection
Sample:	QC of synthesised product after semi-preparative purification

Novel thiophene-based radiotracers synthesised as potential cannabinoid receptor type 2 PET tracers

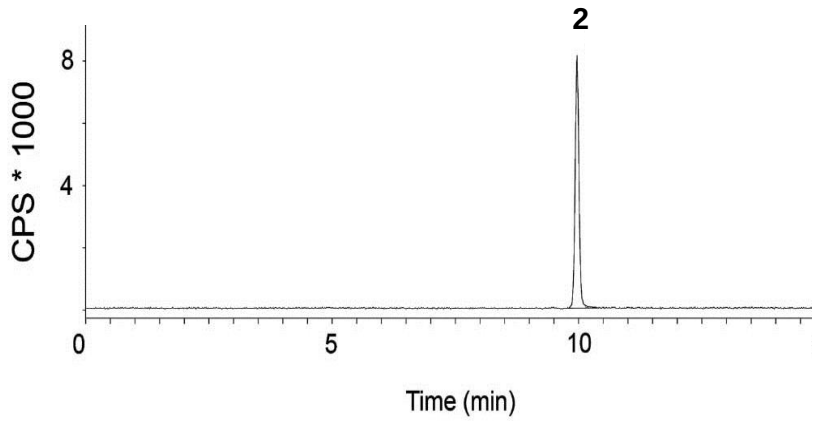




1. [^{11}C]AAT-015



2. [^{11}C]AAT-778



Heider A, Muller Herde A, Slavik R, Weber M, Mugnaini C, Ligresti A, Schibli R, Mu L, Mensah Ametamey S. (2016) Synthesis and Biological Evaluation of Thiophene-Based Cannabinoid Receptor Type 2 Radiotracers for PET Imaging. Front. Neurosci. 10.350. doi: 10.3389/fnins.2016.00350

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