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## 18F-Fluorodeoxyglycosylamines PET Imaging Agents

Tech ID: 23732 / UC Case 2014-266-0

### BRIEF DESCRIPTION

A new and novel 18F-fluorodeoxyglycosylamine compound that may be used to image beta-amyloid plaques in the brain to help in the diagnosis of neurological diseases such as Alzheimer's disease.

### FULL DESCRIPTION

Brain amyloid plaques are one of the hallmark, pathological features of Alzheimer's Disease (AD) and maybe detected using Positron Emission Tomography (PET) scan images of the brain.

Researchers at the University of California, Irvine have developed a new 18F-fluorodeoxyglycosylamine radiotracer that may be used to help diagnose AD by imaging beta-amyloid plaques in the brain.

### PATENT STATUS

| Country                  | Type          | Number    | Dated      | Case     |
|--------------------------|---------------|-----------|------------|----------|
| United States Of America | Issued Patent | 9,546,193 | 01/17/2017 | 2014-266 |

### TESTING

This radiotracer has been tested on tissue from AD patients and shown to bind to beta-amyloid plaques similar to 3H-PIB developed by the University of Pittsburgh.

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### OTHER INFORMATION

#### KEYWORDS

PET, Positron Emission Tomography, Radiotracer, AD, Alzheimer s

#### CATEGORIZED AS

- » **Imaging**
  - » Medical
- » **Materials & Chemicals**
  - » Other
- » **Medical**
  - » Diagnostics
  - » Disease: Central Nervous System
  - » Imaging
- » **Research Tools**
  - » Other

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