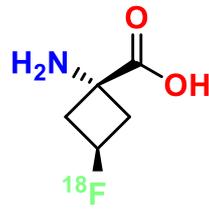


## La molécule du mois - What molecule am I ?



Fluciclovine (<sup>18</sup>F)

**F**luciclovine F18 is a radioactive diagnostic agent indicated for PET imaging in men with suspected prostate cancer recurrence based on elevated blood prostate specific antigen (PSA) levels following prior treatment. This synthetic amino acid of L-Leucine is transported across cell membranes by amino acid transporters (LAT1 and ASCT2), which are upregulated in prostate cancer cells. It accumulates in tumor cells and can be used to image tumors using positron emission tomography (PET).

Fluciclovine F18 was approved by FDA in May 2016 (Axumin<sup>®</sup>) as the first F-18 PET imaging agent.

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