

ABSTRACT**¹⁸F-LABELLED FOLATES**

The present invention is directed towards new ¹⁸F-folate radiopharmaceuticals, wherein the fluorine-18 is covalently linked to the aminobenzoyl moiety, which connects the condensed pyrimidine heterocycle to the amino acid portion within folate structures, as well as their precursors and their non-radioactive references, a method of their preparation, as well as their use in diagnosis of a cell or population of cells expressing a folate-receptor and monitoring of cancer and inflammatory and autoimmune diseases and therapy thereof.

Figure 1