

**ABSTRACT****<sup>18</sup>F-LABELLED FOLATES**

The present invention is directed towards a new method of synthesis of <sup>18</sup>F-folate radiopharmaceuticals, wherein fluorine-18 is attached to a pteroate (or folate) or derivative thereof, through direct radiolabeling with <sup>18</sup> [F] fluoride, as well as <sup>18</sup>F-folate radiopharmaceuticals obtained by such method of synthesis and their use in diagnosis and monitoring of cancer therapy and therapy of inflammatory and autoimmune diseases.

No Figure