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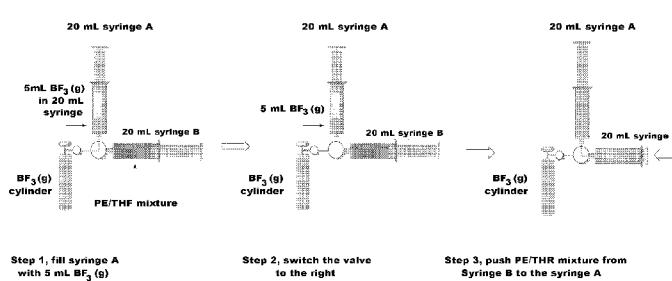
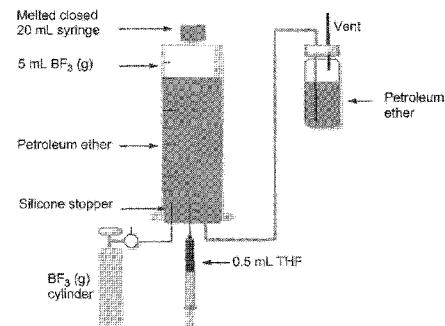


FIG. 1B

(57) Abstract: Embodiments of the invention provide methods of synthesizing ^{18}F -tetrafluoroborate (^{18}F -TFB) via direct radiofluorination on boron trifluoride (BF_3) to enhance both labeling yield and specific activity. Uses of ^{18}F -TFB are also contemplated.

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