

Template  
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**Master Compounding Record**  
**Preparation of Semi Prep HPLC Mobile Phase PHOS30-L- for purification of [<sup>18</sup>F]DCFBC**

**Raw Material Bill of Materials and Calculations Record**

Component Name	Internal Tracking Number (ITN)	Amount
NaH <sub>2</sub> PO <sub>4</sub>	SS-NAHPO-_____	6 gm
Acetonitrile(HPLC grade)	SS-HGACN - _____	300
H <sub>3</sub> PO <sub>4</sub>	SS-PHA _____	Required amount to adjust pH ~ 3.2

**Applicable Operating Procedures and References:**  
**[<sup>18</sup>F]DCFBC Injection Master Batch Record**

**Materials and Equipment:**

1. Graduated cylinder, 500 mL (to measure the volume)
2. HPLC grade water
3. Labels
4. Two 1L Container for Storage with appropriate Lid

**Guidelines:**

- Use clean dry graduated cylinders.

**STEPS**

1. Dissolve 6 g of NaH<sub>2</sub>PO<sub>4</sub> in 1L of water in a 1L bottle.
2. Adjust the pH ~ 3.2 by drop-wise addition of H<sub>3</sub>PO<sub>4</sub>
3. Add 700 mL of this solution to a final 1L storage container containing 300 mL of HPLC grade Acetonitrile.
4. Cap the final storage container and mix the contents thoroughly. Label the container with the contents, date made and the initials of the person who made the solution. Label with an expiration of 1 week.

**Performed By/Date:** \_\_\_\_\_ **Checked By/Date:** \_\_\_\_\_

**QA Review:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Compounding Record for Preparation of PHOS30-L**

Version: V1

Effective Date: 12/11/2013

Supersedes:

**Author:** \_\_\_\_\_ **Date:** \_\_\_\_\_ .

**Regulatory Approval:** \_\_\_\_\_ **Date:** \_\_\_\_\_ .

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