

# AFFINIMIP® SPE CARTRIDGES

Description & Applications	Product Information
<b>AFFINIMIP® SPE <sup>18</sup>F - Aromatic Nucleophilic Substitution</b>	
<p>Selective solid phase extraction cartridge used to purify rapidly and perfectly a <sup>18</sup>F radiotracer synthesized from an aromatic nucleophilic substitution. The cartridge retains the ammonium-based precursor as well as the phenol- and dialkylamino-based impurities.</p>	<p><b>Format</b> : Cartridge compatible with automates  <b>Particle diameter range</b> : 25-80 μm  <b>Stability</b> : 3 years  <b>Shipping &amp; Storage</b> : Ambient temperature</p>
<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="flex: 1;"> <p>R = -CO<sub>2</sub>Et, -C(O)H X = OTs, I</p> </div> <div style="flex: 1; text-align: center;"> <p>AFFINIMIP® SPE <sup>18</sup>F - ANS R = -CO<sub>2</sub>Et, -C(O)</p> </div> <div style="flex: 0.5; text-align: right;"> <p style="color: red; font-weight: bold; border: 2px solid red; padding: 5px; transform: rotate(15deg);">Ideal for the fluorination of Ammonium Precursors</p> </div> </div> <p style="text-align: center; margin-top: 10px;"><b>Pure Radiotracer</b></p> <ul style="list-style-type: none"> <li>• <b>Validated for radiotracers (FBA, Ethyl 4-Fluorobenzoate) issued from a SNAr with an ammonium precursor</b></li> <li>• <b>Rapid and simple method purification:</b> No need for a preparative HPLC thanks to our All-in-One SPE</li> <li>• <b>Improved radiotracer purity:</b> No traces of the 3 unwanted products (precursor and by-products) and low traces of Kryptofix and residual <sup>18</sup>F were detected.</li> <li>• <b>Increased reliability of radiotracer production:</b> Reduction of manual handling steps</li> <li>• <b>No cross contamination</b> thanks to single use cartridges</li> </ul>	

## AFFINIMIP® SPE <sup>18</sup>F-Aromatic Nucleophilic Substitution – Product List

Product	Description	Reference	Number of cartridges
Reversible cartridges (2mL)	SPE cartridges compatible with automates for purification of radiotracers issued from Aromatic Nucleophilic Substitution	RP100-01	10
Reversible cartridges (2mL)	SPE cartridges compatible with automates for purification of radiotracers issued from Aromatic Nucleophilic Substitution	RP100-02	25
Reversible cartridges (0.7mL)	SPE cartridges compatible with automates for purification of radiotracers issued from Aromatic Nucleophilic Substitution	RP100A-01	10
Reversible cartridges (0.7mL)	SPE cartridges compatible with automates for purification of radiotracers issued from Aromatic Nucleophilic Substitution	RP100A-02	25

**Application Notes** : p28-29

**Ordering information:** References and formats on the product list p 16