

Catalogue Number	Product	Order number / Unit
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**4320 AFM-Precursor**

Precursor for [<sup>11</sup>C]AFM  
([<sup>11</sup>C]2-(2-(Dimethylaminomethyl)phenylthio)-5-fluoromethylphenylamine)

**Molar Mass:** 276.37 (free base)

C<sub>15</sub>H<sub>17</sub>FN<sub>2</sub>S · x HCl

CAS-RN not yet assigned

AFM precursor free base: [844699-84-9]

Colourless solid packaged in dark glass screw cap vials.

**Purity:** > 90 %

**Certificates:**

CoA; <sup>1</sup>H and <sup>19</sup>F NMR spectra

**Chemical Name:**

Benzenemethanamine, 2-[[2-amino-4-(fluoromethyl)phenyl]thio]-N-methyl-, hydrochloride salt

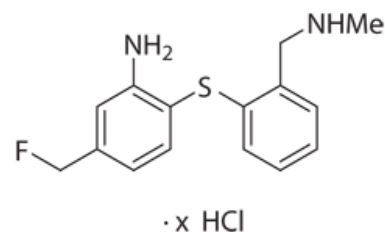
**Synonymes:**

AFM-Precursor

**Literature:**

- Huang Y. et al. Comparative Evaluation in Nonhuman Primates of Five PET Radiotracers for Imaging the Serotonin Transporters: [<sup>11</sup>C]McN 5652, [<sup>11</sup>C]ADAM, [<sup>11</sup>C]DASB, [<sup>11</sup>C]DAPA, and [<sup>11</sup>C]AFM. J. Cereb. Blood Flow Metab. 2002, 22, 1377-1398.
- Huang Y. et al. Fluorinated Analogues of ADAM as New PET Radioligands for the Serotonin Transporter : Synthesis and Pharmacological Evaluation. J. Labelled Compd. Radiopharm. 2001, 44, Suppl. 1, S18-S20.
- Oya S. et al. New PET Imaging Agent for the Serotonin Transporter: [<sup>18</sup>F]ACF (2-[(2-Amino-4-chloro-5-fluorophenyl)thio]-N,N-dimethyl-benzenemethanamine). J. Med. Chem. 2002, 45, 4716-23.

4320.0010: 10 mg per vial  
Please inquire for customized filling and bulk quantities.



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