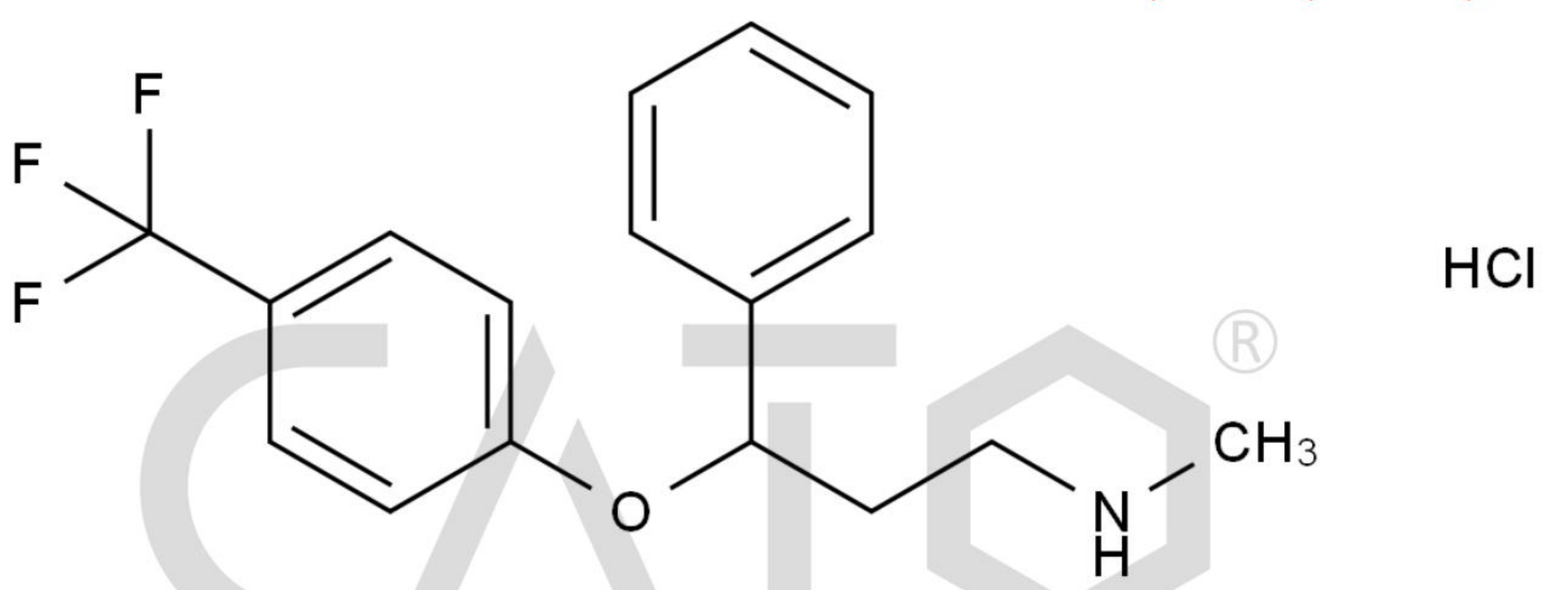
# Certificate of Analysis

## Reference Material & Standard

| | | | |
|---|---|---|---|
| **Product Name:** | Fluoxetine HCl | **Catalogue Number:** | C4X-1352 |
| **Synonyms:** | N/A | **Lot Number:** | 0918-RF-0119 |
| **CAS Number:** | 56296-78-7 | **Expiry Date:** | Sep 17, 2027 |
| **Molecular Formula:** | C17H18F3NO HCl | **Storage:** | 2°C ~ 8°C Protected from light and Sealed |
| **Molecular Weight:** | 309.33 36.46 | **Warning:** |  |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | White Solid |
| **Identification** | LCMS&HNMR | Confirmed |
| **Purity** | HPLC | 100.000% |
| **Residue on Ignition** | Muffle Furnace | 0.34% |
| **Loss On Drying** | TGA | 0.0140% |
| **Assay** | | 99.6% |

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## Comment:

*The calculation of the 100% method follows the formula (calculated on the non-dried basis):*
*Assay (%) = (100%-Residue on Ignition-Loss On Drying) * Purity HPLC (%) /100%*
*Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.*

**Signature:**

Prepared by: Alice Date: Sep 18, 2024

Reviewed by: Koi Date: Sep 18, 2024

Approved by General Manager: David Date: Sep 18, 2024

CATO Research Chemicals Inc.