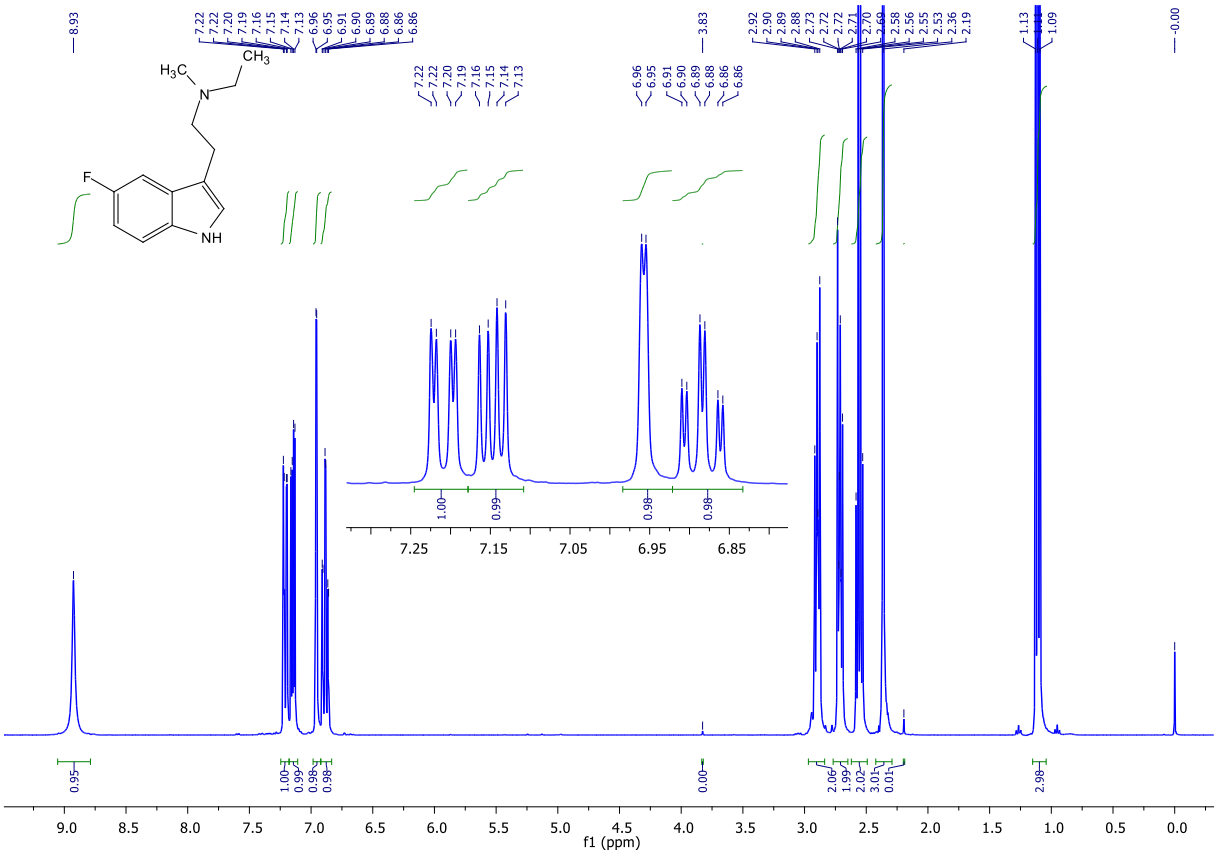
^{1}H NMR analysis report

Batch No.: 5FMFB-01 **Date:** 24/07/2026

Instrument: Bruker 400 MHz
Solvent: Chloroform-d_3 ($CDCl_3$; shifts calibrated to internal standard, TMS; δ = 0.00 ppm)

Results:
Data consistent with the proposed structure: Yes
Estimated purity: 99%



^{1}H NMR ($CDCl_3$), cmpd and imp integrated.

^{1}H NMR (400 MHz, $CDCl_3$) δ (ppm): 8.93 (bs, 1H), 7.21 (dd, *J* = 9.8, 2.5 Hz, 1H), 7.15 (dd, *J* = 8.8, 4.4 Hz, 1H), 6.96 (d, *J* = 2.2 Hz, 1H), 6.88 (td, *J* = 9.1, 2.5 Hz, 1H), 2.93 – 2.85 (m, 2H), 2.76 – 2.68 (m, 2H), 2.56 (q, *J* = 7.2 Hz, 2H), 2.36 (s, 3H), 1.11 (t, *J* = 7.2 Hz, 3H).

Notes:

The ^{1}H NMR spectrum is consistent with the expected structure - *N*-ethyl-2-(5-fluoro-1*H*-indol-3-yl)-*N*-methylethanamine (5-F-MET). Typical proton-fluorine coupling ($J_{H\text{-}F}$ = 2 - 4 Hz) is clearly observable, with fluorine atom being present at the 5-position of the indole ring.

The compound exhibits high purity. Apart from the analyte, only trace amounts of acetone (singlet, δ = 2.19 ppm; <0.2% w/w) and unidentified aliphatic impuritiy (singlet, δ = 3.83 ppm; <0.1%) were detected.