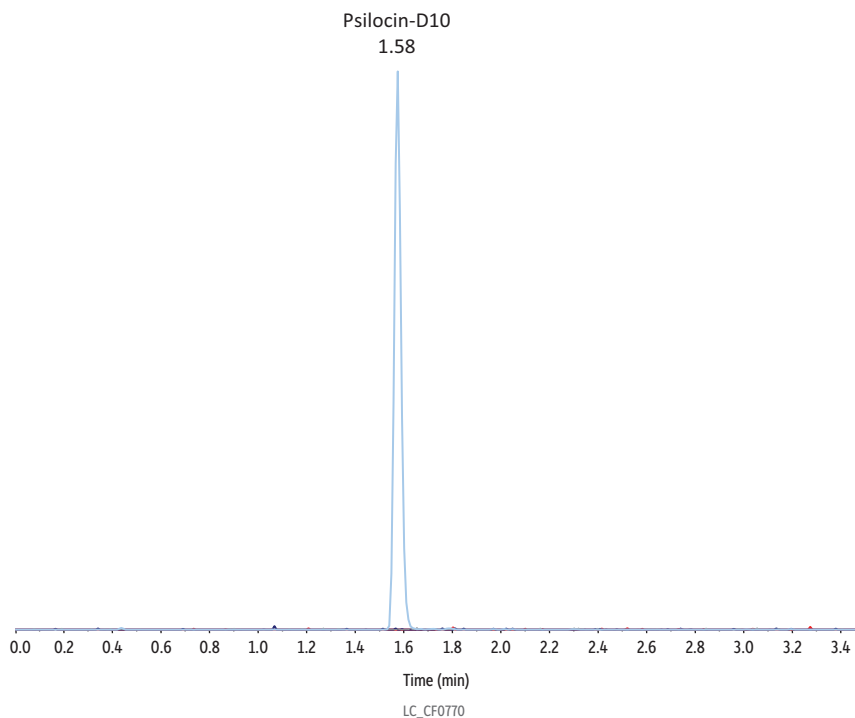


# Blank Human Urine Spiked with Internal Standard Only on Raptor Biphenyl



Peaks	Retention Time (min)	Concentration (ng/mL)	Precursor Ion	Product Ion 1
1. Psilocin-D10	1.58	200	215.1	66.1

**Column** Raptor Biphenyl (cat.# 9309A52)  
**Dimensions:** 50 mm x 2.1 mm ID  
**Particle Size:** 2.7 µm  
**Pore Size:** 90 Å  
**Guard Column:** Raptor Biphenyl EXP guard column cartridge 5.0 mm, 2.1 mm ID, 2.7 µm (cat.# 9309A0252)  
**Temp.:** 35 °C

**Standard/Sample Diluent:** Water, 0.1% formic acid + 2 mM ammonium formate  
**Inj. Vol.:** 5 µL

**Mobile Phase A:** Water, 0.1% formic acid + 2 mM ammonium formate  
**B:** Methanol, 0.1% formic acid + 2 mM ammonium formate

Time (min)	Flow (mL/min)	%A	%B
0.00	0.5	95	5
0.20	0.5	95	5
2.50	0.5	5	95
2.51	0.5	95	5
3.50	0.5	95	5

**Detector** MS/MS  
**Ion Source:** Electrospray  
**Ion Mode:** ESI+  
**Mode:** MRM  
**Instrument** HPLC

**Sample Preparation** A 50 µL aliquot was taken from blank pooled human urine and mixed with 10 µL of internal standard (psilocin-D10, 20 µg/mL) and 100 µL of methanol. The mixture was vortexed at 3000 rpm for 10 seconds and then centrifuged at 4300 rpm for 10 minutes at 10 °C. After centrifugation, 100 µL of the supernatant was diluted with 900 µL (20-fold dilution) of water containing 0.1% formic acid and 2 mM ammonium formate (mobile phase A) and injected for LC-MS/MS analysis.