

INDEPENDENT VERIFICATION REPORT

# MT-2

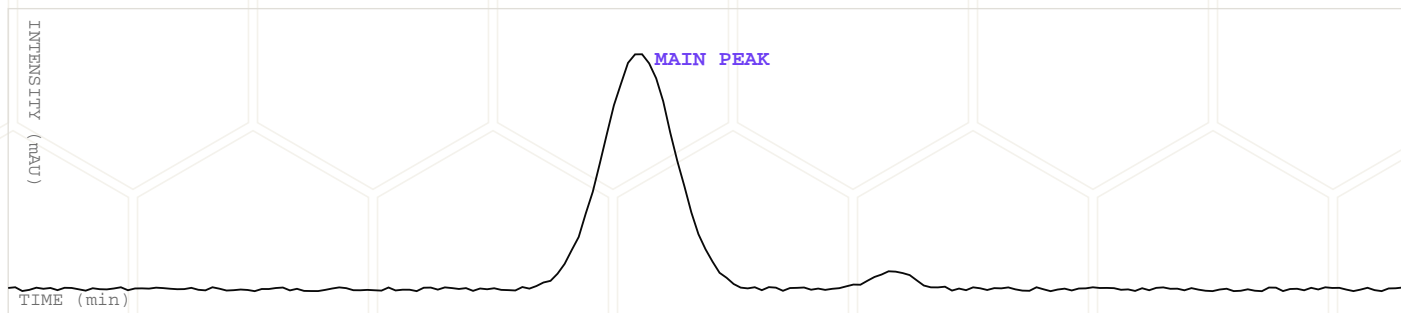
10 mg · Lyophilized Powder · Research Grade

**CLEARED**

TEST DATE · 2026-04-25

COMPOUND NAME	<b>MT-2</b>
DOSAGE STRENGTH	<b>10 mg</b>
MOLECULAR FORMULA	<b>C50H69N15O9</b>
MOLECULAR WEIGHT	<b>1024.18 g/mol</b>
HPLC PURITY (%)	<b>99.3%</b>
MASS SPECTROMETRY	<b>Confirmed — molecular weight matches reference standard</b>
STORAGE	<b>-20°C, dry, dark (sealed) · 2-8°C reconstituted, 28 days max</b>
LOT STATUS	<b>RELEASED TO INVENTORY</b>

HPLC CHROMATOGRAM



METHODOLOGY

Sample prepared per USP <621> protocol. HPLC analysis on Waters Acquity UPLC system, C18 reverse-phase column (2.1 x 100mm, 1.7µm). Mobile phase A: 0.1% TFA in water, Mobile phase B: 0.1% TFA in acetonitrile. Gradient elution 5-95% B over 12 min. Detection at 220nm. Mass spectrometry confirmation via Waters Xevo G2-XS QTof. Reference standard sourced from independent verified supplier.

VERIFIED BY  
**Pegasus Analytical Services**  
 Independent third-party analytical laboratory  
 Issued under Novalabs batch verification program

*M. Halloran, Ph.D.*  
 DIRECTOR, ANALYTICAL CHEMISTRY  
 SIGNATURE DATE · 2026-04-25