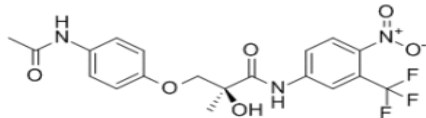


# Certificate of Analysis

<b>GCM Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
319520	Andarine	021

<b>Chemical name</b>	
(2S)-3-(4-acetamido-phenoxy)-2-hydroxy-2-methyl-N-(4-nitro-3-trifluoromethyl-phenyl)-propionamide	
<b>Synonyms</b>	
GTx-007; GTx007; GTx 007; S-4; S4; S 4; Andarine	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	GCM Cat#: 319520 Name: Andarine CAS#: 401900-40-1 Lot#: 021 Chemical Formula: C <sub>19</sub> H <sub>18</sub> F <sub>3</sub> N <sub>3</sub> O <sub>6</sub> Exact Mass: 441.11477 Molecular Weight: 441.36

Analysis item	Specifications / Results
<b>Appearance</b>	Yellow solid powder
<b>Structure</b>	<sup>1</sup> H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
<b>Purity (HPLC)</b>	>99.0%
<b>Solubility</b>	Soluble in DMSO.
<b>Conclusion</b>	This product conforms with GCM's quality standards
<b>Shipping condition</b>	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
<b>Storage condition</b>	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
<b>Shelf life</b>	At least 5 years if properly stored.

**CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE**