# Certificate of Analysis



## Selamectin

**Cat. No.:** HY-107212

**CAS No.:** 220119-17-5

**Batch No.:** 26396

**Chemical Name:** Avermectin A1a, 25-cyclohexyl-4'-O-de(2,6-dideoxy-3-O-methyl-α-L-arabino-hexopyranosyl)-5-demethoxy-25-de(1-methylpropyl)-22,23-dihydro-5-(hydroxyimino)-, (5Z)-

### PHYSICAL AND CHEMICAL PROPERTIES

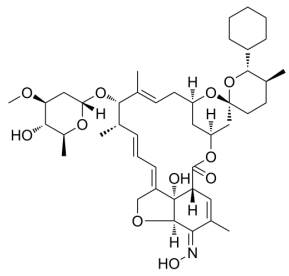
**Molecular Formula:** $C_{43}H_{63}NO_{11}$

**Molecular Weight:** **769.96**

**Storage:**

| | | |
|---|---|---|
| Powder | -20°C | 3 years |
| | 4°C | 2 years |
| In solvent | -80°C | 6 months |
| | -20°C | 1 month |

**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)

**LCMS:** Consistent with structure

**Purity (LCMS):** **99.05%**

**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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