# **Certificate of Analysis**

### Volanesorsen

 Cat. No.:
 HY-145727

 CAS No.:
 915430-78-3

 Batch No.:
 160302

Chemical Name: DNA, d(P-thio)([2'-O-(2-methoxyethyl)]rA-[2'-O-(2-methoxyethyl)]rG-[2'-O-(2-methoxyethyl)]m5r

C-[2'-O-(2-methoxyethyl)]m5rU-[2'-O-(2-methoxyethyl)]m5rU-m5C-T-T-G-T-m5C-m5C-A-G-m5C-[2'-O-(2-methoxyethyl)]m5rU-[2'-O-(2-methoxyethyl)]m5r

2-methoxyethyl)]rA-[2'-O-(2-methoxyethyl)]m5rU)

#### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:**  $C_{230}H_{320}N_{63}O_{125}P_{19}S_{19}$ 

Molecular Weight: 7165.00

**Storage:** -20°C, sealed storage, away from moisture

\* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

**Chemical Structure:** 

## Volanesorsen

#### **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

**Purity (HPLC):** 94.25%

**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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