

### Certificate of Analysis

<b>Product Name</b>	Nusinersen
<b>Catalog No.</b>	V40954
<b>Batch No.</b>	V4095401

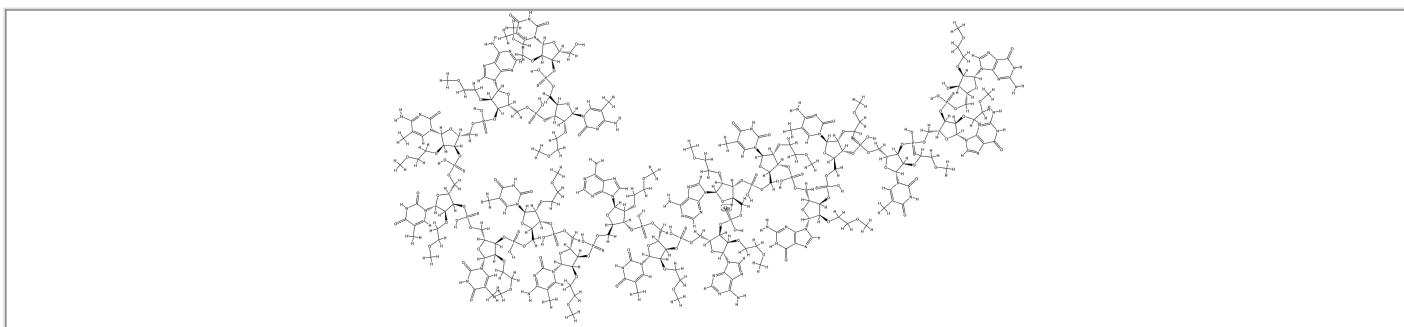
#### 1. Physical and Chemical Properties

<b>Appearance</b>	powder
<b>Molecular Formula</b>	C <sub>234</sub> H <sub>340</sub> N <sub>61</sub> O <sub>128</sub> P <sub>17</sub> S <sub>17</sub>
<b>Molecular Weight</b>	7127.1942691803
<b>Purity</b>	=95.09%
<b>CAS No.</b>	1258984-36-9
<b>Production Date</b>	
<b>Retest Date</b>	2027-05-07

#### 2. Analytical Data

Test Item	Specification	Result
HPLC	≥95%	=95.09%
NMR	Consistent with structure	Confirms
Mass Spectrum	Consistent with structure	Confirms

#### 3. Structure



#### 4. Storage Condition

<b>Storage Condition</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month
<b>Note:</b> Please store this product in a sealed and protected environment (e.g. under nitrogen), avoid exposure to moisture.			

**Products are for research use only • Not for human or veterinary use**

