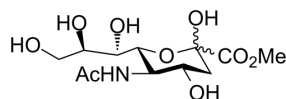


## Certificate of Analysis

**Product Name:** N-Acetyl- $\beta$ -neuraminic acid methyl ester  
**Cat. No.:** CS-0005768  
**CAS No.:** 22900-11-4  
**Batch No.:** Le1e11452

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>12</sub>H<sub>21</sub>NO<sub>9</sub>  
**Molecular Weight:** 323.30  
**Storage:** Storage temp. 2-8°C  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (NMR):**  $\geq 97.0\%$   
**OR(C=0.65245 MEOH):** -23.7°  
**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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