

### Certificate of Analysis

<b>Product Name</b>	Streptozotocin (STZ)
<b>Catalog No.</b>	V1856
<b>Batch No.</b>	V185604

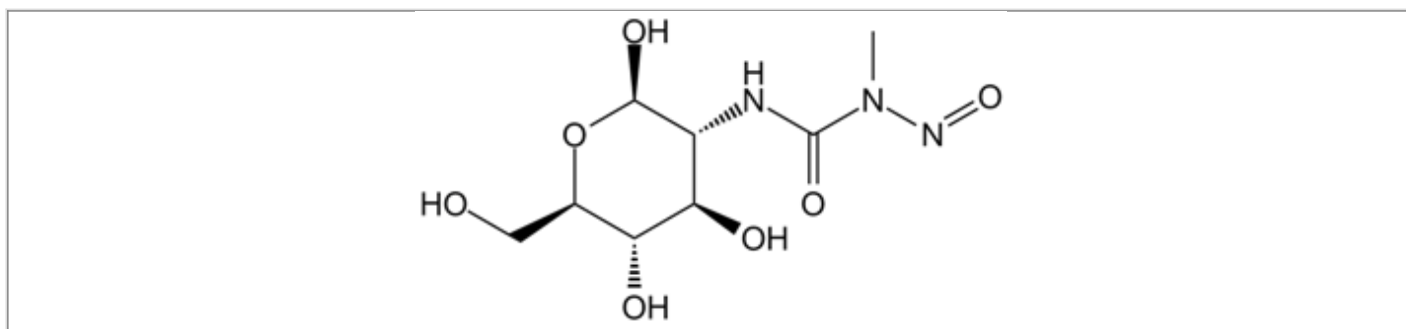
#### 1. Physical and Chemical Properties

<b>Appearance</b>	powder
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>15</sub> N <sub>3</sub> O <sub>7</sub>
<b>Molecular Weight</b>	265.22
<b>Purity</b>	≥98.0%
<b>CAS No.</b>	18883-66-4
<b>Production Date</b>	
<b>Retest Date</b>	2029-06-02

#### 2. Analytical Data

Test Item	Specification	Result
<b>H-NMR</b>	consistent with the standard spectrum	consistent with the standard spectrum
<b>Solubility</b>	Very soluble in water, slightly soluble in methanol.	Complies
<b>HPLC</b>	≥98.0%	≥98.0%
<b>α-anomer</b>	≥75%	77.3%
<b>β-anomer</b>	≤25%	22.5%
<b>Single Impurity</b>	≤1%	0.457%

#### 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
<p><b>Note:</b> (1). Please store this product in a sealed and protected environment (e.g. under nitrogen), avoid exposure to moisture and light. (2). This product is not stable in solution, please use freshly prepared working solution for optimal results.</p>			

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

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