



## CERTIFICATE OF ANALYSIS

**PRODUCT:** **Streptozotocin; O-GlcNAcase inhibitor**  
[Streptozocin; 2-Deoxy-2-(3-methyl-3-nitrosoureido)-  
D-glucopyranose; STZ]  
C<sub>8</sub>H<sub>15</sub>N<sub>3</sub>O<sub>7</sub>, M.W. 265.2, M.I. 14: 8832; CAS# [18883-66-4]

**PRODUCT NUMBER:** S-2044

**LOT NUMBER:** B1639

**APPEARANCE:** White to pale yellow solid

**SOLUBILITY:** Soluble in water or 100% ethanol

**PURITY:** ≥ 97%

**RTECS:** LZ5775000

**PRODUCT DISCRIPTION:** Widely used diabetes inducer in rodents. Inhibition of b-cell O-GlcNAcase by streptozotocin is the mechanism that accounts for its diabetogenic toxicity. N-nitroso-containing antibiotic, acting as a nitric oxide (NO) donor. Potent methylating agent for DNA.

**STORAGE & HANDLING:** Keep cool and dry at -20°C. Because solutions of the compound spontaneously give off NO gas at room temperature, we recommend that solutions be made immediately before use.

**WARNING: TOXIC! CARCINOGENIC!**

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: DD