

Streptozocin Biochemical

Streptozocin

CATALOG #
AAA201914

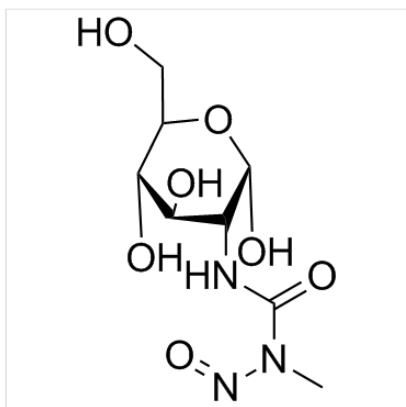
PRODUCT SYNONYMS

Streptozocin; Estreptozocin; NSC 37917; NSC 85998; STZ; U 9889; Zanosar; Streptozocin biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	98% purity
Solubility	Water: 53mg/mL (199.83mM) DMSO: 53mg/mL (199.83mM)
Target	DNA Alkylator
Receptor	DNA alkylator
Chemical Name	1-methyl-1-nitroso-3-((3R, 4R, 5S, 6R)-2, 4, 5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-3-yl)urea
SMILES	<chem>O=C(N[C@H]1C(O)O[C@H](CO)[C@@H](O)[C@@H]1O)N(C)N=O</chem>
Molecular Formula	C ₈ H ₁₅ N ₃ O ₇
CAS Number	18883-66-4
NMR	Consistent with structure
Preparation and Storage	Store at -20 degree C Stability: 1 year

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for Streptozocin biochemical	Streptozotocin is a DNA alkylating agent that enters cells exclusively via the GLUT2 glucose transport protein.
Product Categories/Family for Streptozocin biochemical	Cell Cycle/DNA Damage; Cancer

References

1.Arison RN, et al. Diabetes, 1967, 16 (1), 51-56.

NCBI AND UNIPROT INFORMATION

Molecular Weight

265.22

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/streptozocin/201914>