

Streptozocin (Streptozotocin), Diabetes inducer

Catalog	Unit
TBI2127 - 1G	1 g
TBI2127 - 5G	5 g

Product Details

Formal Name: 2-Deoxy-2-[[[(methylnitrosoamino)carbonyl]amino]-D-glucose

Alternate Names: Streptozotocin; U-9889

Molecular Formula: C₈H₁₅N₃O₇

Formula Weight: 265.2

CAS Number: 18883-66-4

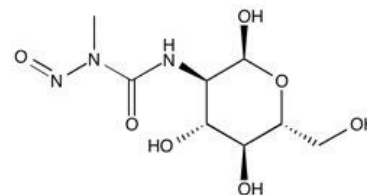
Purity: >97%

Formulation: Powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Water (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Diabetes inducer

Functions

An N-nitroso-aminoglucose derivative which is used to produce animal models of diabetes. Alkylates DNA. Inhibits pancreatic β -cell O-Glc-NAc selective N-acetyl- β -D-glucosaminidase. Selectively induces death of β -cells which mechanistically is independent of N-acetyl- β -D-glucosaminidase inhibition. Is not a spontaneous NO donor.

Application Procedures

First dissolved in DMSO (25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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