



LKT Laboratories, Inc.

Streptozocin

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Product Information

Product ID S7870

CAS No. 18883-66-4

Chemical Name 2-Deoxy-2-[[[(methylnitrosoamino)carbonyl]amino]-D-glucopyranose

Synonym Streptozotocin, NSC-85998, U-9889, Zanosar

Formula $C_8H_{15}N_3O_7$

Formula Wt. 265.22

Melting Point 121°C (dec)

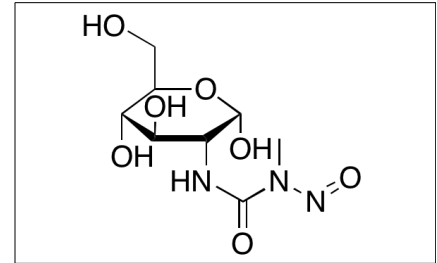
Purity ≥98%

Solubility Soluble in water, ketones and lower alcohols.

Store Temp -20°C

Ship Temp Ambient

Description Streptozocin is a nitrosourea-amino sugar conjugate initially produced by species of *Streptomyces* that exhibits pro-diabetic, antibacterial, and anticancer activities. Streptozocin is toxic to pancreatic islet B cells and is often used to induce diabetes-like conditions in animal models. Streptozocin has also been examined as a potential treatment for cancers of B cells.



Bulk quantities available upon request

Product ID	Size
S7870	50 mg
S7870	100 mg
S7870	500 mg

References Rerup CC. Drugs producing diabetes through damage of the insulin secreting cells. *Pharmacol Rev.* 1970 Dec;22(4):485-518. PMID: 4921840.

Murray-Lyon IM, Eddleston AL, Williams R, et al. Treatment of multiple-hormone-producing malignant islet-cell tumour with streptozotocin. *Lancet.* 1968 Oct 26;2(7574):895-8. PMID: 4176152.

Vavra JJ, Deboer C, Dietz A, et al. Streptozotocin, a new antibacterial antibiotic. *Antibiot Annu.* 1959-1960;7:230-5. PMID: 13841501.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.