

Streptozotocin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Streptozotocin

Catalog No.: CFN93213

Cas No.: 18883-66-4

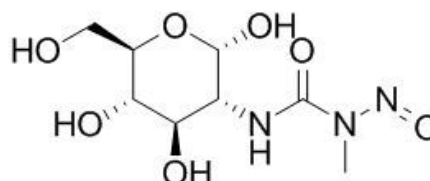
Purity: 98%

M.F: C₈H₁₅N₃O₇

M.W: 265.22

Physical Description: Powder

Synonyms: N-(Methylrosocarbamoyl)-alpha-D-Glucosamine.



[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

From *Streptococcus achromogenes* Uar.128

[Biological Activity or Inhibitors]

Streptozotocin, which produces diabetes mellitus in experimental animals, has been

reported to reduce the level of NAD in pancreatic islets and to inhibit islet synthesis of proinsulin.^[1]

Streptozotocin can induce pancreatic insulinitis, which is a new model of diabetes mellitus.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O=80:20 ;

Flow rate: 0.8 ml/min;

Column temperature: 25 °C;

The wave length of determination: 290 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Yamamoto H, Uchigata Y, Okamoto H. *Nature*, 1981, 294(5838):284-6.

[2] Like A A, Rossini A A. *Science*, 1976, 193(4251):415-7.

[3] Hong Lei, Juncheng Han, Qin Wang, *et al. In. J.Mol. Sci.*, 2011, 13(12):16961-70.

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