



biochemicals

Manufactured by VDM Biochemicals.LLC

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Product Data Sheet

Product name: **Glyco-SNAP-1**

Cat. number: **VD-OEIA-10019**

CAS Number: **188849-81-2**

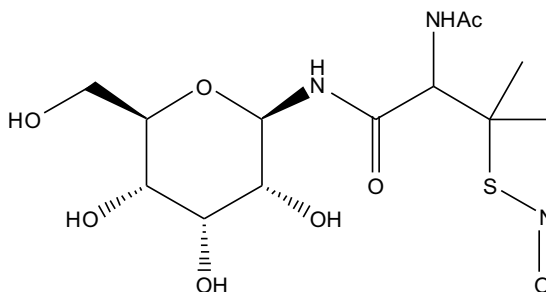
Lot number: **VD0761104**

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Personal protective equipment

■ Lab coat.

■ Safety glasses.



Product Specification

Formula: C₁₃H₂₃N₃O₈S

MW: 381.4

Purity: ≥97% by HPLC

Appearance: Green crystalline solid

Solubility: H₂O or Methanol.

Storage: -20°C.

Synonyms: N-(β-D-Glucopyranosyl)-N2-acetyl-S-nitroso-D,L-penicillaminamide

Product Description:

A water-soluble nitric oxide (NO) donor. More stable ($t_{1/2}$ = 28.5-30.2 hr) than SNAP in aqueous solution with or without EDTA and is relatively stable at high pH (pH 8 - 9). The SNAP moiety acts as an NO group donor and the sugar moiety provides hydrophilicity and specificity. Compared to SNAP, glyco-SNAP-1 decomposes at a much slower rate in the presence of thiols such as glutathione or cysteine.

Product References

- 1.Hou, Y., et al. 1999. Methods Enzymol. 301, 242.
- 2.Ramirez, J., et al. 1996. Bioorg. Med. Chem. Lett. 6, 2575.

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