

Product Data Sheet

Product Name: CMP-SiaNAz sodium

Cat. No.: GC81455

Chemical Properties

Cas. No.

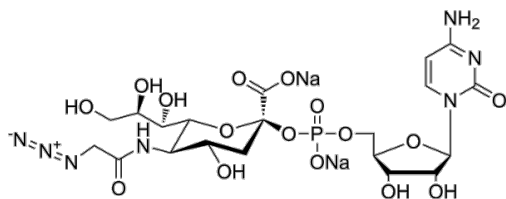
Formula $C_{20}H_{28}N_7Na_2O_{16}P$ M.Wt 699.43

Solubility H_2O : 100 mg/mL (142.97 mM; Need ultrasonic) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

CMP-SiaNAz (CMP-NeuNAz) sodium is a sialic acid nucleotide sugar derivative. CMP-SiaNAz

Caution: Product has not been fully validated for medical applications. For research use only.

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sodium is integrated into the glycosidic chain through the action of STs in the Golgi apparatus, forming SiaNAz substances. CMP-SiaNAz sodium can serve as a substrate for bacterial-derived sialic acid transferases and is used for chemical enzymatic labeling and imaging of cell surface glycosides [1] [2].

References:

- [1]. Hong S, et al. Bacterial glycosyltransferase-mediated cell-surface chemoenzymatic glycan modification. Nat Commun. 2019 Apr 17;10(1):1799.
- [2]. Martinez-Duncker I, et al. Towards in vivo imaging of cancer sialylation. Int J Mol Imaging. 2011;2011:283497.

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