

Catalog	Unit
TBI2409-10MG	10 mg
TBI2409-50MG	50 mg

Product Details

Formal Name: (2R,3R,4R,5S)-2-(Hydroxymethyl)-3,4,5-piperidinetriol

Molecular Formula: C₆H₁₃NO₄

Formula Weight: 163.17

CAS Number: 19130-96-2

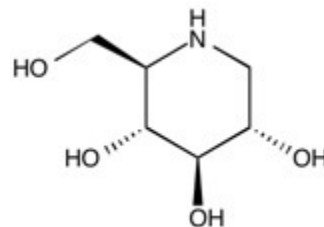
Purity: >98%

Formulation: Powder

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

Storage: -20°C

Stability: ≥ 2 years.



Applications

Glycosidase inhibitor

Functions

Inhibits α -glucosidase I and II. Inhibits human immunodeficiency virus envelope glycoprotein-mediated membrane fusion at the CXCR4 binding step. May be used to produce an affinity ligand for purifying glucosidase 1. Was used to inhibit ER glucosidases I and II allowing for the discovery of a second mechanism for deglycosylation of N-linked oligosaccharides in PhaR1.7, a mouse lymphoma cell line.

Application Procedures

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

For research use only.