

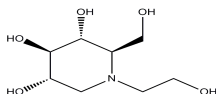
PRODUCT: Miglitol

ALTERNATE NAME: (2R,3R,4R,5S)-1-(2-Hydroxyethyl)-2-(hydroxymethyl)piperidine-3,4,5-triol; N-(2-Hydroxyethyl)-1-deoxynojirimycin; BAY-1099

CATALOG #: 2335-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₈H₁₇NO₅

MOLECULAR WEIGHT: 207.22

CAS NUMBER: 72432-03-2

APPEARANCE: White solid

SOLUBILITY: DMSO (50 mg/ml) or H₂O (60 mg/ml)

PURITY: ≥98% TLC

STORAGE: At -20° C. Protect from air and moisture

DESCRIPTION: An α-glucosidase inhibitor which induces an enhanced and prolonged release of glucagon-like peptide-1, regulating appetite and stabilizing body weight in humans. Displays anti-atherothrombotic effect by reducing platelet activation and raising circulating adiponectin levels in patients with type 2 diabetes. Clinically useful antidiabetic agent.

REFERENCES: Nomura, S., *et al.* (2011). *Int. J. Gen. Med.* **4**, 539; Yokoyama, H., *et al.* (2007). *Metabolism* **56**, 1458; Lee, A., *et al.* (2002). *Diabetes Obes. Metab.* **4**, 329.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Castanospermine (**Cat. No. 2293-10, 50**)
Alpha-Glucosidase Activity Colorimetric Assay Kit (**Cat. No. K690-100**)
Pellitorine (**Cat. No. 2053-1, 5**)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**