



LKT Laboratories, Inc.

Acarbose

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Product Information

Product ID A0802

CAS No. 56180-94-0

Chemical Name O-4,6-Dideoxy-4-[[[1S-(1 α ,4 α ,5-B,6 α))-4,5,6-trihydroxy-3-(hydroxymethyl)-2-cyclohexen-1-yl]amino]- α -D-glucopyranosyl-(1-4)-O- α -D-

Synonym Bay g 5421, Glucobay, Prandase, Precose

Formula C₂₅H₄₃NO₁₈

Formula Wt. 645.6

Melting Point 90 °C

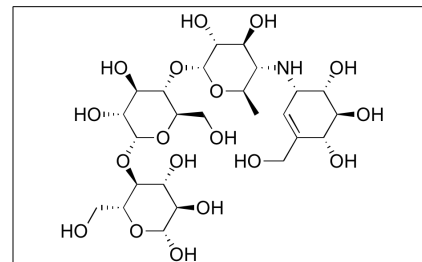
Purity $\geq$ 98%

Solubility Soluble in water (129mg/mL), methanol, ethanol (8mg/mL), and DMSO (129mg/mL)

Store Temp Ambient

Ship Temp Ambient

Description Acarbose is an anti-diabetic α -glucosidase inhibitor that decreases digestion of complex carbohydrates and prevents glucose absorption. Acarbose improves insulin sensitivity and decreases postprandial hyperglycemia.



Bulk quantities available upon request

Product ID	Size
A0802	1 g
A0802	5 g
A0802	25 g

References Kalra S. Alpha glucosidase inhibitors. J Pak Med Assoc. 2014 Apr;64(4):474-6. PMID: 24864650.

Okada K, Yanagawa T, Warabi E, et al. The alpha-glucosidase inhibitor acarbose prevents obesity and simple steatosis in sequestosome 1/A170/p62 deficient mice. Hepatol Res. 2009 May;39(5):490-500. PMID: 19207582.

Hoffmann J, Spengler M. Efficacy of 24-week monotherapy with acarbose, metformin, or placebo in dietary-treated NIDDM patients: the Essen-II Study. Am J Med. 1997 Dec;103(6):483-90. PMID: 9428831.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.