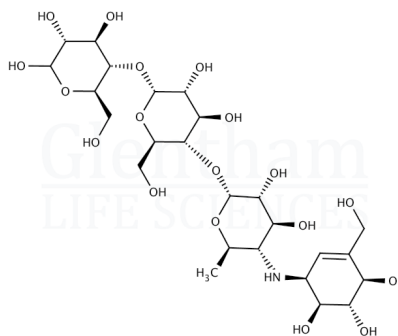


Product Specification

Product Name	Acarbose, EP grade
Glentham Code	GC9000
CAS Number	56180-94-0
EINECS	260-030-7
MDL Number	MFCD00869592

Molecular Weight	645.61
Molecular Formula	$C_{25}H_{43}NO_{18}$
Storage Temp.	+20°C



Property	Specification
Physical Description	White to light-yellow powder
Identification (IR)	(Test A) To conform to standard
Identification	B: According to EP
Solubility (5% in water)	Clear, colourless to pale yellow solution
pH (5% in water)	5.5 - 7.5
Specific Optical Rotation	+168 - +183 ° (c=1, water, anhydrous)
Absorbance	≤ 0.15 (at 415nm)
Impurity A	≤ 0.6%
Impurity B	≤ 0.5%
Impurity C	≤ 1.5%
Impurity D	≤ 1.0%
Impurity E	≤ 0.2%
Impurities F, G	≤ 0.3%
Any Other Individual Impurity	≤ 0.2%
Total Impurities	≤ 3.0%
Water	≤ 4.0%
Sulphated Ash	≤ 0.2%
Assay (HPLC)	95.0 - 102.0 % (anhydrous basis)
Pharmacopoeia Specification(s)	EP

Specification Version	- v1.1
Date Created	- 2024-11-22

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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