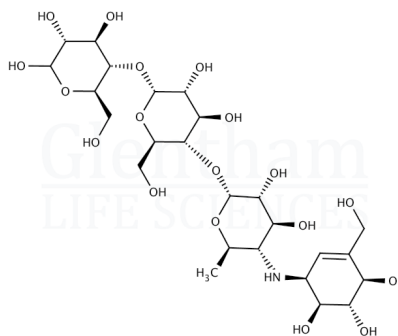


## Product Specification

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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