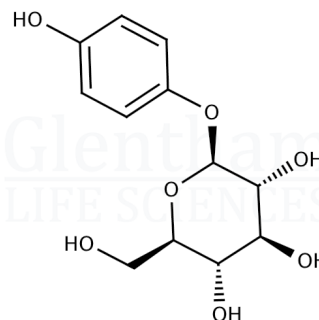


## Certificate of Analysis

Product Name Arbutin  
Glenthams Code GC0919  
CAS Number 497-76-7  
EINECS 207-850-3  
MDL Number MFCD00016915  
PubChem SID 310267002  
Batch Number 804DWU

Molecular Weight 272.26  
Molecular Formula  $C_{12}H_{16}O_7$   
Storage Temp. +20°C



Property	Specification	Batch 804DWU
Physical Description	White or almost white crystalline powder	White crystalline powder
Solubility (5% in water)	Clear to very faintly turbid, colourless to very faint yellow solution	Clear to very faintly turbid, colourless solution
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	-68.0 - -63.0 ° (c=3, water)	-68°
Melting Point	198 - 203 °C	202 - 203 °C
Loss on Drying	≤ 2.5% (105°C)	0.5%
Assay	≥ 99.0%	99.7%

Specification Version v1.1  
Manufacture Date 2016-10-11  
Re-Test Date 2028-01-03

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glenthams.com](http://www.glenthams.com) or contact us using the details above for the current version of this document.

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