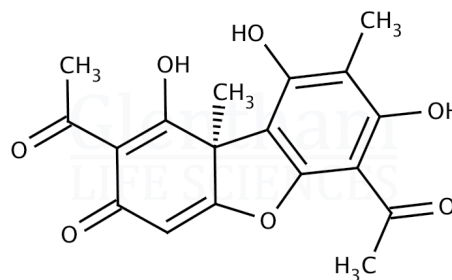


Certificate of Analysis

Product Name	(+)-Usnic acid
Glentham Code	GL7349
CAS Number	7562-61-0
EINECS	231-456-0
MDL Number	MFCD00016878
PubChem SID	310281607
Batch Number	724PNZ
<hr/>	
Molecular Weight	344.32
Molecular Formula	C ₁₈ H ₁₆ O ₇
Storage Temp.	+20°C



Property	Specification	Batch 724PNZ
Physical Description	Yellow or yellow-green powder	Yellow powder
Solubility (1% in chloroform)	Clear to very faintly turbid, pale yellow to yellow-green solution	Very faintly turbid, green-yellow solution
Specific Optical Rotation ([α] ₂₀ /D)	+485 - +505 ° (c=0.7, chloroform)	500 °
Melting Point	195.0 - 203.0 °C	196.1 - 197.0 °C
Loss on Drying	≤ 5.0% (105°C)	1.09%
Assay (Titration)	≥ 98.0%	98.2%

Specification Version	v1.0
Manufacture Date	2018-12-23
Re-Test Date	2028-02-14

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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