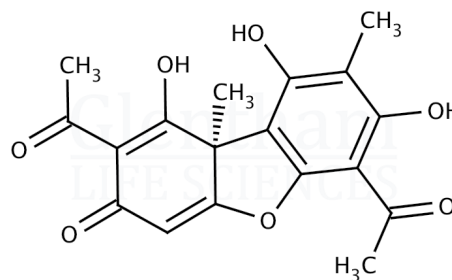


Certificate of Analysis

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

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 ($[\alpha]_{20/D}$)	+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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