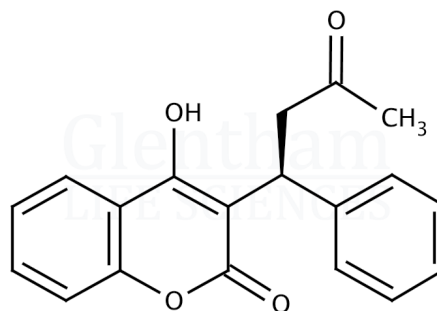


Certificate of Analysis

Product Name (S)-(-)-Warfarin
Glentham Code GL0549
CAS Number 5543-57-7
EINECS 226-907-3
MDL Number MFCD00272381
PubChem SID 310281736
Batch Number 726BFF

Molecular Weight 308.33
Molecular Formula $C_{19}H_{16}O_4$
Storage Temp. +4°C



Property	Specification	Batch 726BFF
Physical Description	White to pale yellow powder	Conforms
Identification (1H-NMR)	To conform to structure	Conforms
Enantiomeric excess	≥ 98.5%	100%
Melting Point	≥ 170°C	174 - 176 °C
Purity (TLC)	≥ 97%	Conforms

Specification Version v1.0
Manufacture Date 2016-11-22
Re-Test Date 2027-09-30

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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