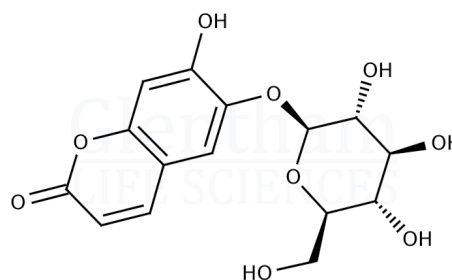


Certificate of Analysis

Product Name	Esculin hydrate
Glentham Code	GC4131
CAS Number	531-75-9
EINECS	208-517-5
MDL Number	MFCD00149492
Additional CAS	66778-17-4
PubChem SID	310272655
Batch Number	973ZMU
Molecular Weight	340.28 (anhydrous)
Molecular Formula	$C_{15}H_{16}O_9 \cdot xH_2O$
Storage Temp.	+20°C



Property	Specification	Batch 973ZMU
Physical Description	White to almost white powder	White powder
Identification	UV (λ_{max} at 222nm, 249nm, 298nm, 336nm)	Conforms
Specific Optical Rotation	-84.0 - -87.0 °	-85.6°
Water (KF)	6.5 - 8.5 %	7.1%
Heavy Metals (as Pb)	≤ 20ppm	≤ 20ppm
Assay	98.0 - 102.0 % (anhydrous basis)	98.2%

Specification Version	v1.0
Manufacture Date	2023-02-17
Re-Test Date	2031-03-16

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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