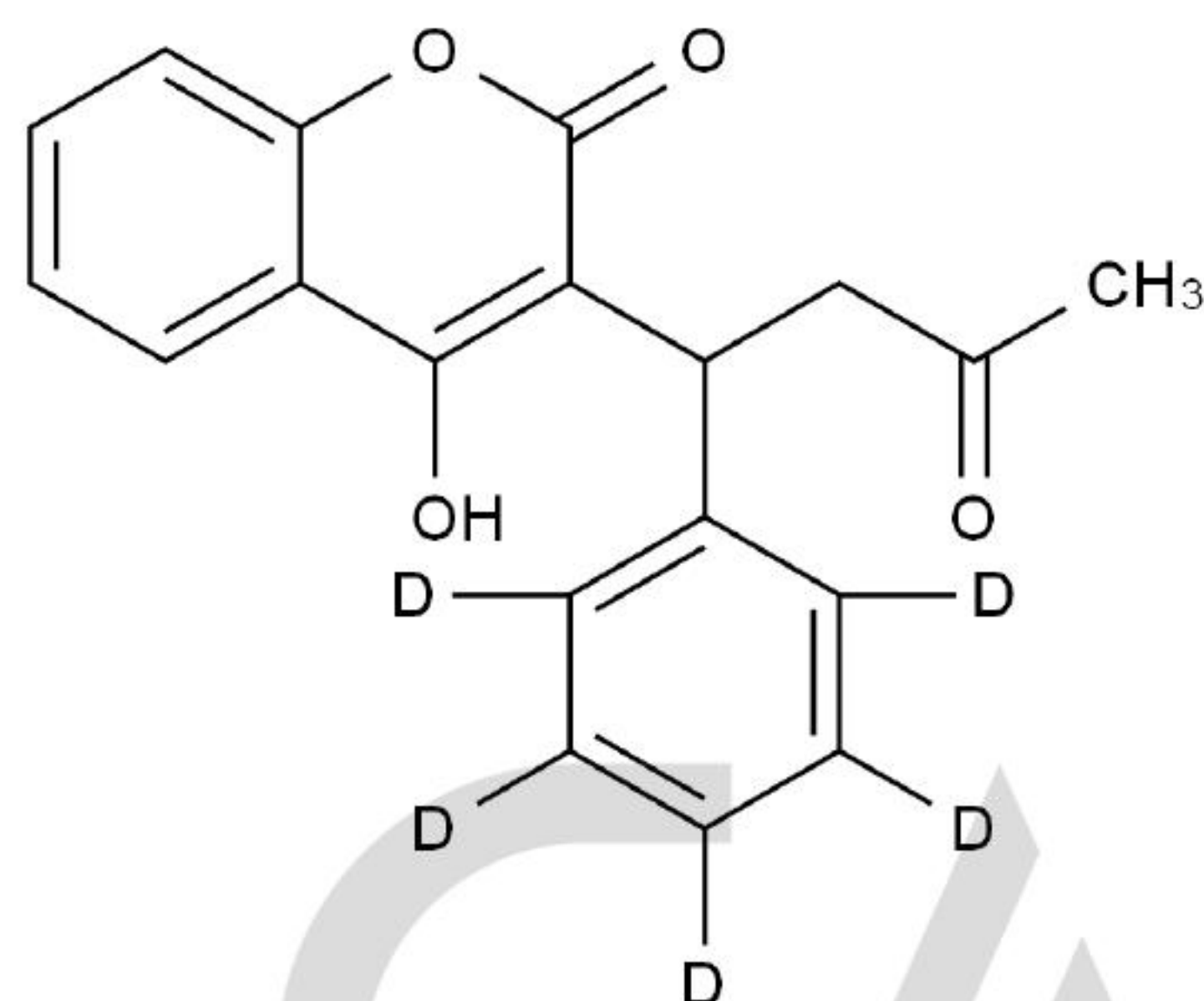


Certificate of Analysis

Reference Material

Product Name:	Warfarin-d5	Catalogue Number:	C4X-14295
Chemical Name:	N/A	Lot Number:	1128-RD-0013
CAS Number:	75472-93-4	Expiry Date:	Aug 15, 2025
Molecular Formula:	C ₁₉ H ₁₁ D ₅ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	313.36		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	99.8940%
Isotopic Purity		99.2%
Water Content	Karl Fischer	0.2%
Residual Solvents	NMR	0.8% chloroform
Assay		98.9%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Aug 16, 2022

Date: Dec 13, 2022

Date: Dec 13, 2022

