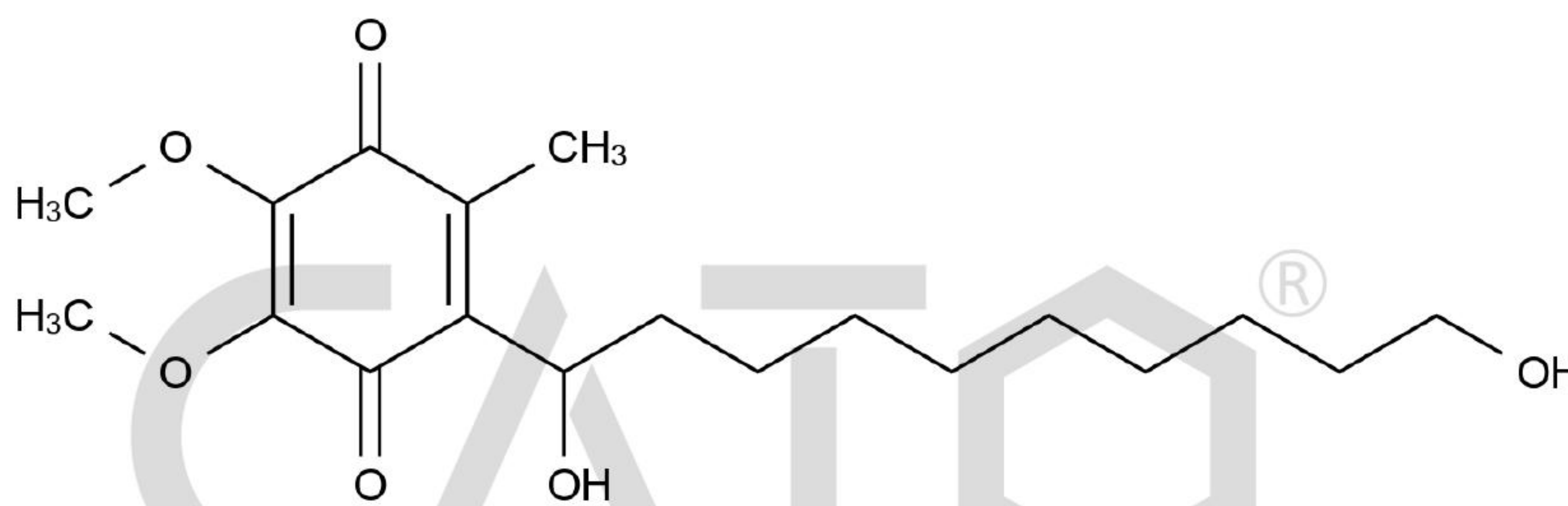


Certificate of Analysis

Reference Material & Standard

Product Name:	Idebenone Impurity 12	Catalogue Number:	C4X-301612
Synonyms:	N/A	Lot Number:	0821-RH-0054
CAS Number:	N/A	Expiry Date:	Feb 17, 2028
Molecular Formula:	C ₁₉ H ₃₀ O ₆	Storage:	-80°C±5°C Protected from light and Sealed
Molecular Weight:	354.44	Shipping Condition:	Shipping with Dry Ice

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Orange Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.0021%
Water Content	Karl Fischer	0.785%
Residual Solvents	NMR	1.18% acetonitrile
Assay		95.1%

Comment:

The calculation of the mass balance 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:

Reviewed by:

Approved by General Manager:

Date: Aug 21, 2026

Date: Aug 21, 2026

Date: Aug 21, 2026



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