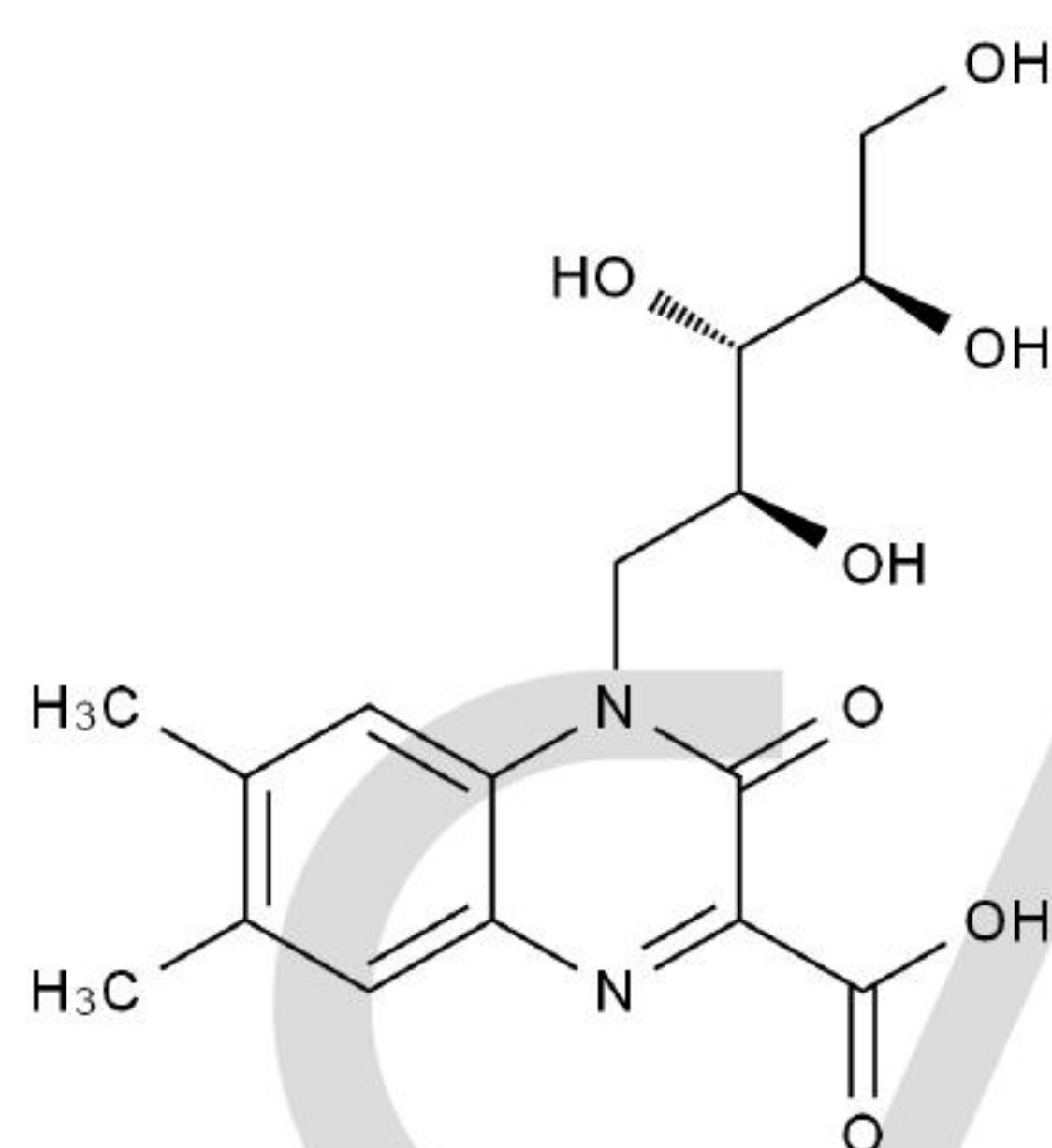


Certificate of Analysis

Reference Material & Standard

Product Name:	Riboflavin Impurity 12	Catalogue Number:	C4X-181912
Synonyms:	N/A	Lot Number:	0530-RG-0079
CAS Number:	64480-68-8	Expiry Date:	Apr 18, 2027
Molecular Formula:	C ₁₆ H ₂₀ N ₂ O ₇	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	352.34		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.1918%
Loss On Drying	TGA	2.167%
Assay		93.1%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jun 03, 2025

Date: Jun 04, 2025

Date: Jun 04, 2025

