

Certificate of Analysis

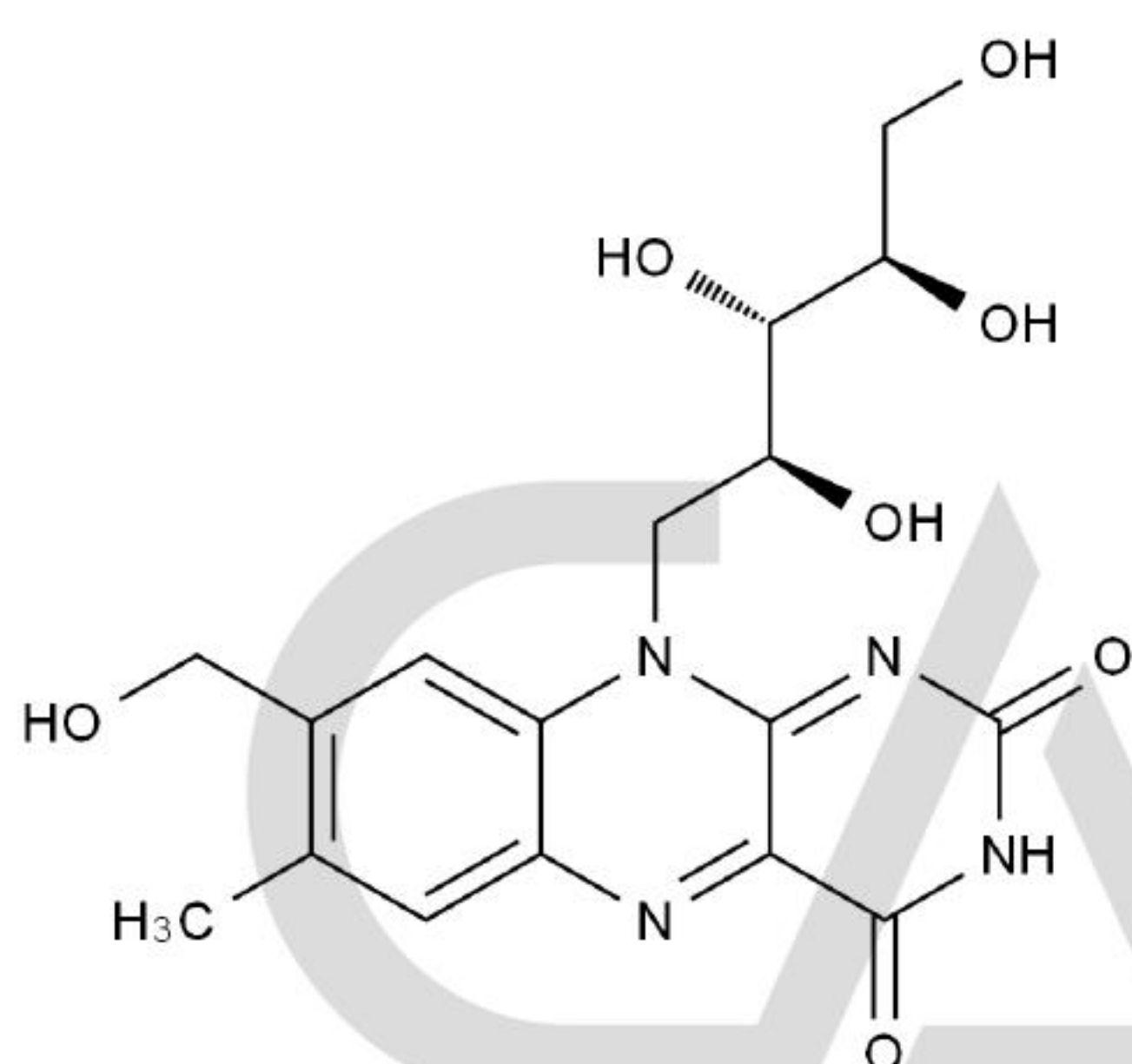
Reference Material & Standard

Product Name:	Riboflavin EP Impurity D	Catalogue Number:	C4X-18194
Synonyms:	N/A	Lot Number:	0204-RH-0055
CAS Number:	52134-62-0	Expiry Date:	May 18, 2029
Molecular Formula:	C ₁₇ H ₂₀ N ₄ O ₇	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	392.36	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Orange Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.979%
Loss on Drying	TGA	5.1835%
Assay		92.0%

Comment:

The calculation of the mass balance 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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 15, 2026

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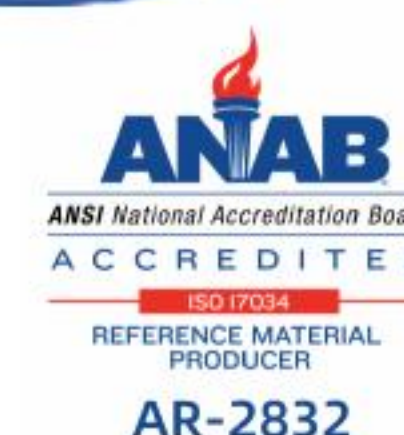
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