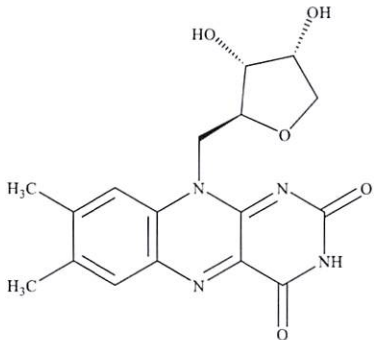


Certificate of Analysis



Certificate No.: 20260128002

Date: January 28, 2026

Retest date: January 26, 2029

Compound Name:	2',5'-Anhydro Riboflavin	
Synonyms:	10-(((2S,3R,4R)-3,4-dihydroxytetrahydrofuran-2-yl)methyl)-7,8-dimethylbenzo[g]pteridine-2,4(3H,10H)-dione	
TLC Catalogue Number:	R-6823	
CAS Number:	64596-83-4	
Alternate CAS Number:	N/A	
Molecular Weight:	358.35	
Molecular Formula:	C ₁₇ H ₁₈ N ₄ O ₅	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7304-009A2	
Storage Conditions:	Protect from light, store at 2-8 °C	
Solubility:	DMSO	

Test Description	Specifications	Results
Visual Description	Yellow solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 90.0%	93.8%
Impurity (HPLC)	RT 13.32, 1.09%; RT 16.18, 1.83%; RT 17.17, 1.91%	
Water Content (KF)	N/A	2.5%
Optical Rotation	N/A	$[\alpha]_D^{25.0}(c=0.36, \text{DMSO}): -120.4^\circ$
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 85.0%	91.5%
Recommendation:	Release. The compound contains 1.8% M+42 impurity (RT 16.18) and 1.9% Riboflavin EP Impurity B (RT 17.17, TLC No. R-6811) according to its HPLC and LC-MS.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		01/28/2026
Approved by:	Quality Assurance		01/28/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.