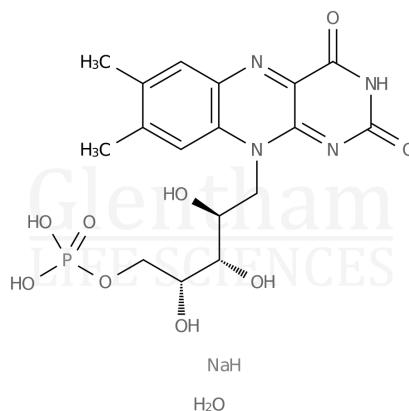


Certificate of Analysis

Product Name	Riboflavin-5"-phosphate sodium salt dihydrate
Glentham Code	GV3670
CAS Number	6184-17-4
MDL Number	FCD00150992
Additional CAS	130-40-5 ($\cdot xH_2O$)
Batch Number	069IMB

Molecular Weight	514.36
Molecular Formula	$C_{17}H_{20}N_4NaO_9P \cdot 2H_2O$
Storage Temp.	-20°C



Property	Specification	Batch 069IMB
Physical Description	Yellow to orange powder	Orange powder
Identification (IR)	To conform to standard	Conforms
Solubility (5% in water)	Clear, orange solution	Clear, orange solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	+37.0 - +43.0 ° (c=1.5, 0.5m HCl)	+39.9°
Loss on Drying	≤ 10.0%	5.6%
Free Riboflavin	≤ 6.0%	4.2%
Assay	73.0 - 79.0 %	76.0%

Specification Version	v1.0
Manufacture Date	2017-02-15
Re-Test Date	2027-02-22

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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