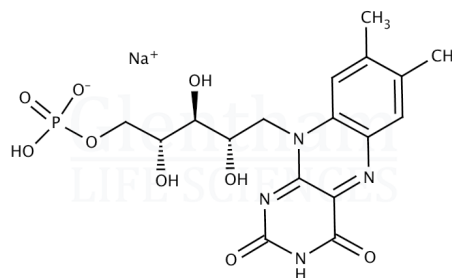


Product Specification

Product Name	Riboflavin-5"-phosphate monosodium salt hydrate, USP grade
Glentham Code	GP0364
CAS Number	130-40-5
EINECS	204-988-6
Numéro MDL	MFCD00150992
PubChem SID	310279706
CAS supplémentaire	6184-17-4 ($\cdot 2\text{H}_2\text{O}$)
Molecular Weight	514.36
Molecular Formula	$\text{C}_{17}\text{H}_{20}\text{N}_4\text{NaO}_9\text{P} \cdot x\text{H}_2\text{O}$
Storage Temp.	-20°C



Property	Specification
Physical Description	Yellow to orange crystalline powder
Identification (IR)	To conform to standard
Identification	A, B according to USP
Solubility (1% in water)	Clear, orange to yellow solution
pH (1% in water)	5.0 - 6.5
Specific Optical Rotation	+37.0 - +42.0 °
Residue on Ignition	≤ 25.0%
Free Phosphate	≤ 1.0%
Lumiflavin	Absorbance: ≤ 0.025
Free Riboflavin	≤ 6.0%
Riboflavin Diphosphates	≤ 6.0%
Loss on Drying	≤ 7.5%
Assay	73.0 - 79.0 % ($\text{C}_{17}\text{H}_{20}\text{N}_4\text{O}_6$, dried basis)
Pharmacopoeia Specification(s)	USP

Specification Version	- v1.1
Date Created	- 2024-07-24

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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