

## Product Datasheet

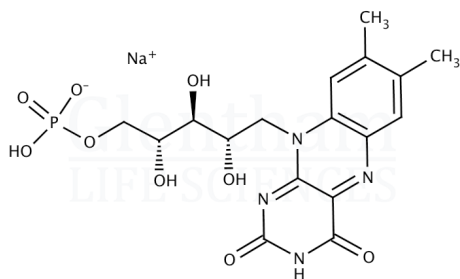
### GP0364 - Riboflavin-5"-phosphate monosodium salt hydrate, USP grade

#### Product Details

|                    |                                                            |
|--------------------|------------------------------------------------------------|
| Product Name       | Riboflavin-5"-phosphate monosodium salt hydrate, USP grade |
| Glentham Code      | GP0364                                                     |
| CAS Number         | 130-40-5                                                   |
| EINECS             | 204-988-6                                                  |
| MDL Number         | MFCD00150992                                               |
| PubChem SID        | 310279706                                                  |
| Additional CAS     | 6184-17-4 ( $\cdot 2\text{H}_2\text{O}$ )                  |
| Related Categories | APIs, Biochemicals, Vitamins                               |

#### Structure

|                   |                                                                                        |
|-------------------|----------------------------------------------------------------------------------------|
| 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

Recommended storage temperature:  $-20^\circ\text{C}$ .

#### Hazards and Transport

Not classified as hazardous under CLP.  
Not classified as dangerous for transport.

#### Glentham Product Specification

|                                |                                                                                   |
|--------------------------------|-----------------------------------------------------------------------------------|
| Physical Description           | : Yellow to orange crystalline powder                                             |
| 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      | : $+37.0 - +42.0^\circ$                                                           |
| Residue on Ignition            | : $\leq 25.0\%$                                                                   |
| Free Phosphate                 | : $\leq 1.0\%$                                                                    |
| Lumiflavin                     | : Absorbance: $\leq 0.025$                                                        |
| Free Riboflavin                | : $\leq 6.0\%$                                                                    |
| Riboflavin Diphosphates        | : $\leq 6.0\%$                                                                    |
| Loss on Drying                 | : $\leq 7.5\%$                                                                    |
| Assay                          | : 73.0 - 79.0 % ( $\text{C}_{17}\text{H}_{20}\text{N}_4\text{O}_6$ , dried basis) |
| Pharmacopoeia Specification(s) | : USP                                                                             |
| Identification (IR)            | : To conform to standard                                                          |
| Version                        | : v1.1                                                                            |

#### About Riboflavin-5"-phosphate monosodium salt hydrate, USP grade

No further details on record.

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