

Product datasheet

Riboflavin-5-phosphate sodium salt dihydrate, Enzyme cofactor ab146349

1 Image

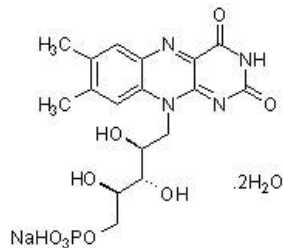
Overview

Product name	Riboflavin-5-phosphate sodium salt dihydrate, Enzyme cofactor
Description	Enzyme cofactor.
Biological description	Enzyme cofactor used as a prosthetic group by oxidoreductase (one and two electron transfer) enzymes such as NADH dehydrogenase, nitric oxide synthase, and nitrilotriacetate monooxygenase. Also used as a substrate to study the specificity and kinetics of FMN phosphohydrolases and to study molecular sensing based gene regulation by riboswitches. Can be used as a photoinitiator of polymerization for PAGE gels.

Purity > 98%

CAS Number 6184-17-4

Chemical structure



Properties

Molecular weight	515.40
Molecular formula	C ₁₇ H ₂₀ N ₄ NaO ₉ P·2H ₂ O
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 75 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room

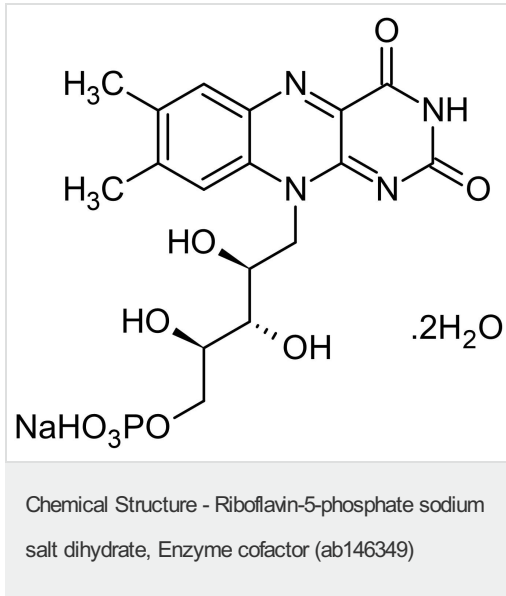
temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

Source

Synthetic

Images



2D chemical structure image of ab146349, Riboflavin-5-phosphate sodium salt dihydrate, Enzyme cofactor

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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