



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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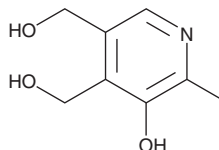
# PRODUCT INFORMATION



## Pyridoxine

Item No. 20706

**CAS Registry No.:** 65-23-6  
**Formal Name:** 5-hydroxy-6-methyl-3,4-pyridinedimethanol  
**MF:** C<sub>8</sub>H<sub>11</sub>NO<sub>3</sub>  
**FW:** 169.2  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 291 nm  
**Supplied as:** A crystalline solid  
**Storage:** Room temperature  
**Stability:** ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Laboratory Procedures

Pyridoxine is supplied as a crystalline solid. A stock solution may be made by dissolving the pyridoxine in the solvent of choice. Pyridoxine is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of pyridoxine in these solvents is approximately 10 and 0.25 mg/ml, respectively.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of pyridoxine can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of pyridoxine in PBS, pH 7.2, is approximately 2 mg/ml. We do not recommend storing the aqueous solution for more than one day.

### Description

Pyridoxine is a 4-methanol form of vitamin B<sub>6</sub> that is converted to pyridoxal 5'-phosphate (Item No. 20352), the active form of vitamin B<sub>6</sub> and an important cofactor for metabolism.<sup>1</sup> Pyridoxine has been used in cell culture media as a precursor to pyridoxal 5'-phosphate.<sup>2</sup>

### References

1. Vitamin B<sub>6</sub> (Pyridoxine; Pyridoxal 5'-Phosphate). *Alt. Med. Rev.* **6**(1), 87-92 (2001).
2. Block, G.D. Cell culture media for mammalian cells. *University of Pittsburgh US 7,022,520 B2* (2006).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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