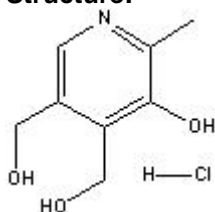


## TECHNICAL INFORMATION

Catalog Number: 102777, 194733

### Pyridoxine Hydrochloride

#### Structure:



**Molecular Formula:** C<sub>8</sub>H<sub>11</sub>NO<sub>3</sub>·HCl

**Molecular Weight:** 205.6

**CAS #** 58-56-0

**Synonyms:** Vitamin B<sub>6</sub>; 5-Hydroxy-6-methyl-3,4-pyridinedimethanol hydrochloride; Pyridoxol hydrochloride; Pyridoxinium chloride; Adermine hydrochloride; 2-Methyl-3-hydroxy-4,5-bis(hydroxymethyl)pyridine hydrochloride; 5-Hydroxy-6-methyl-3,4-pyridinedicarbinoal hydrochloride; 3-Hydroxy-4,5-dimethylol-a-picoline hydrochloride

**Physical Description:** White to off-white powder

**Solubility:** Soluble in water (1 g/4.5 ml - clear, colorless to yellow solution), ethanol (1 g/90 ml), propylene glycol; sparingly soluble in acetone; insoluble in ether or chloroform.<sup>1</sup>

**Description:** A vitamin.

#### References:

- *Merck Index, 12th Ed.*, No. 8166.
- Aybak, M., et al., "Effect of oral pyridoxine hydrochloride supplementation on arterial blood pressure in patients with essential hypertension." *Arzneim. Forsch.*, v. **45:12**, 1271-1273 (1995).
- Dolphin, D., Poulson, R. and Ovrarnovic, O. (eds.), "Vitamin B<sub>6</sub>, Pyridoxal phosphate: Chemical, Biochemical and Medical Aspects" in *Coenzymes and Cofactors*, v. **1**, John Wiley and Sons: New York, p. 725, 792 (1986).
- Leuschner, J., "Antinociceptive properties of thiamine, pyridoxine and cyanocobalamin following repeated oral administration to mice." *Arzneim. Forsch.*, v. **42:2**, 114-115 (1992).
- Sermet, A., et al., "Effect of oral pyridoxine hydrochloride supplementation on in vitro platelet sensitivity to different agonists." *Arzneim. Forsch.*, v. **45:1**, 19-21 (1995).