USP Methods for the Analysis of Pyridoxine for the Legacy L1 Column

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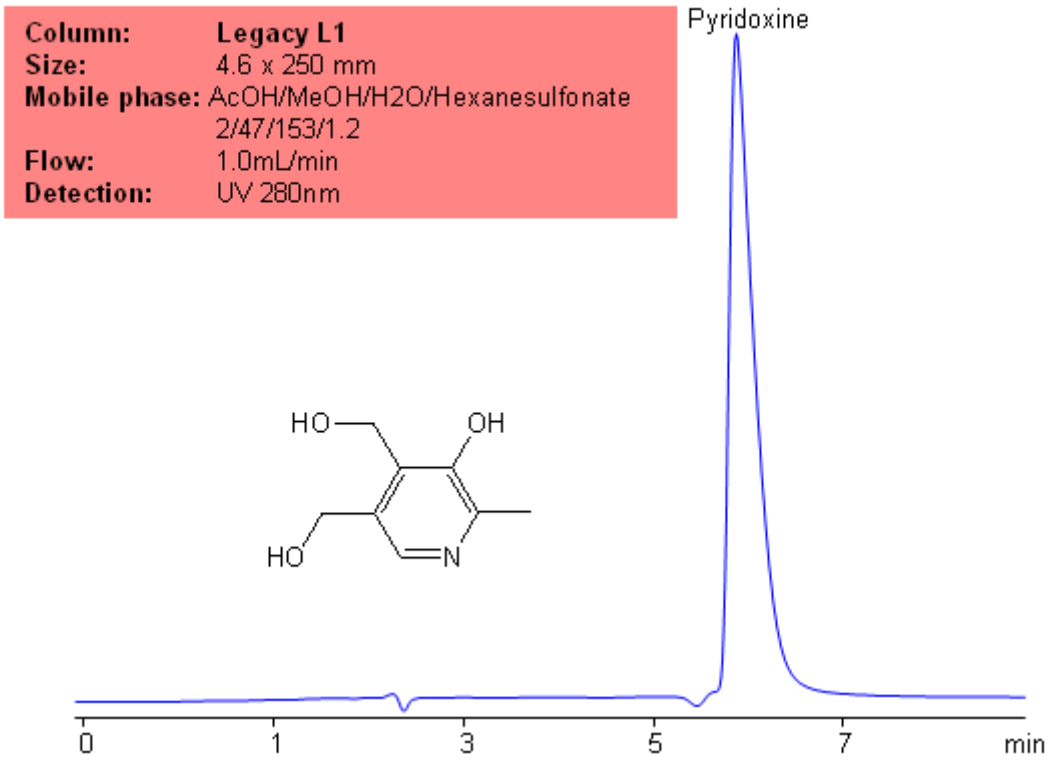
Chromatogram



Description

Application Notes: Pyridoxine is part of the vitamin B complex group. Pyridoxine is important in the body's daily function as it regulates many enzymatic reactions. The USP HPLC method for the separation of pyridoxine was developed on Legacy L1 column according to the US Pharmacopeia methodology. L1 classification is assigned to reversed-phase HPLC column containing C18 ligand. Support for the material is spherical silica gel with particles size 3-10 um and pore size of 100-120A. Resolution between critical pairs corresponds to rules and specifications of UPS.

Application Columns: Legacy L1 C18 HPLC column · Application compounds: Pyridoxine · Mobile phase: AcOH/MeOH/H2O/Hexanesulfonate (2/47/153/1.2) · Detection technique: UV · Reference: USP35- NF30

Method Parameters

Mobile Phase	AcOH/MeOH/H2O/Hexanesulfonate 2/47/153/1.2
Buffer	Hexanesulfonate
Flow Rate	1.0 ml/min
Detection	UV, 280 nm
Class of Compounds	Drug, Vitamin B■, Hydrophobic, Ionizable
Analyzing Compounds	Pyridoxine

HPLC Column Used

Legacy L1, 4.6×250 mm, 5 µm, 100A

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