

Vitamins- Water-Soluble Folic Acid Mixture

Waters Corporation



This is an Application Brief and does not contain a detailed Experimental section.

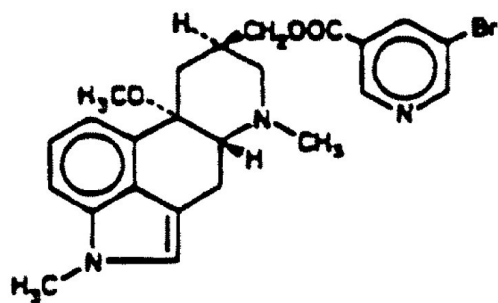
Abstract

This application brief demonstrates analysis of vitamins- water-soluble folic acid mixture.

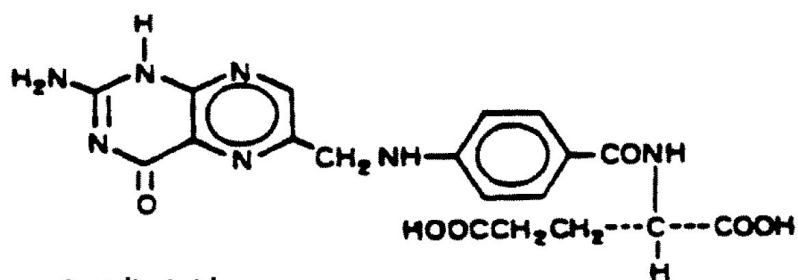
Introduction

The compounds used in this study are –

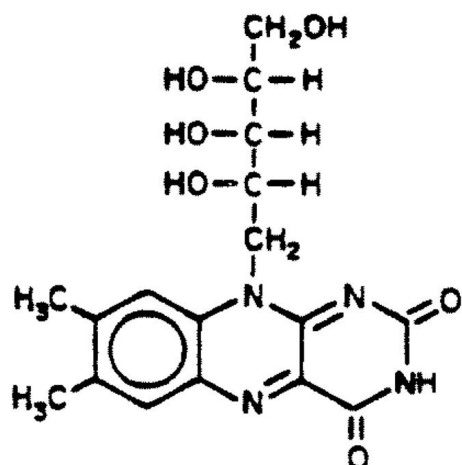
Compounds	USP Tailing Factors
Nicergoline	1.6
Folic Acid	1.4
Riboflavin	1.2
Thiamine Hydrochloride	1.2



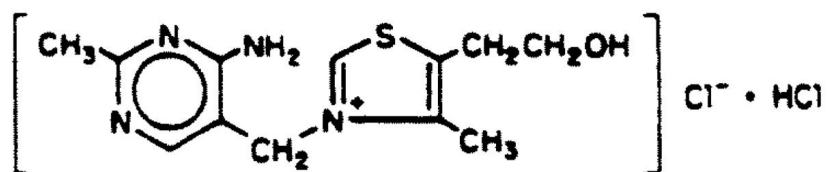
1. Nicergoline



2. Folic Acid



3. Riboflavin



4. Thiamine Hydrochloride

Experimental

HPLC Method

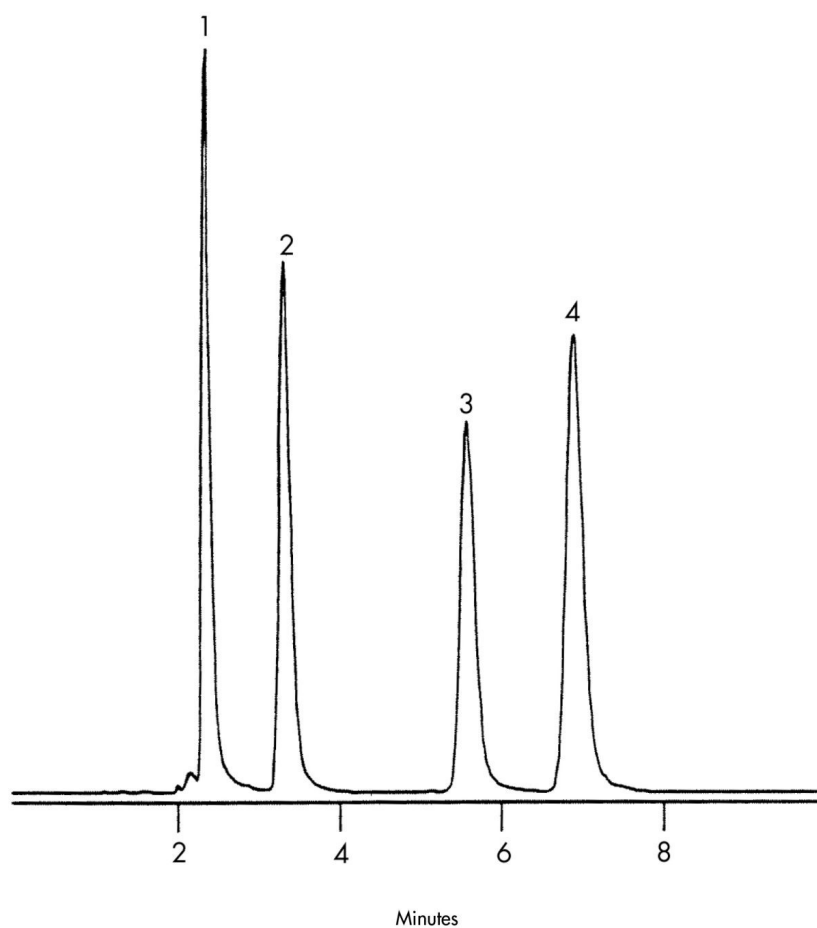
Column:	Symmetry C ₁₈ , 3.9 x 150 mm, 5 µm
Part numbers:	Column - WAT046980, PIC B6 - WAT085140
Mobile phase:	20 mM PIC B6 (hexane sulfonic acid) and 0.1% phosphoric acid, pH 2.2/methanol 75:25
Flow rate:	0.7 mL/min

Injection volume: 10 μ L of mixture with 0.02 to 0.17 mg/mL

Temperature: 40 $^{\circ}$ C

Detection: UV @ 280 nm

Results and Discussion



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