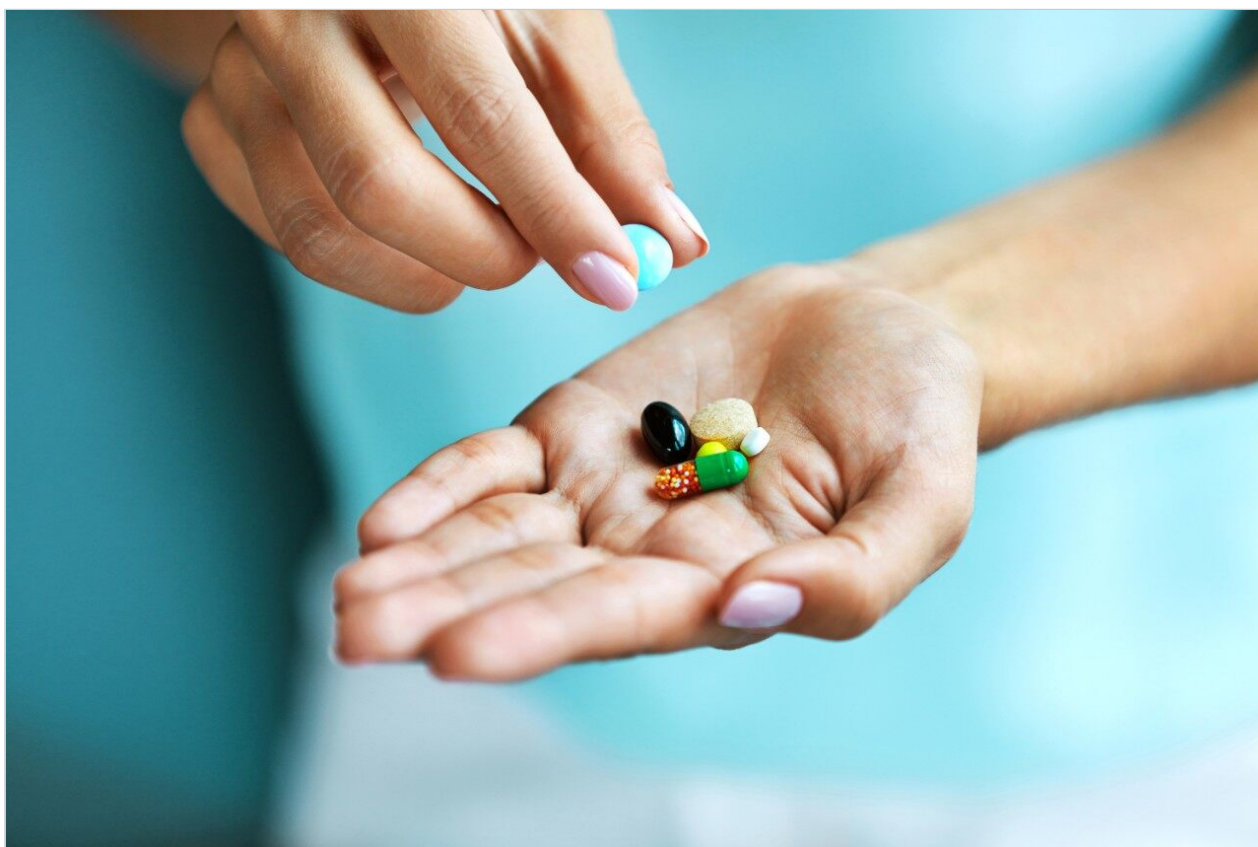


Vitamins- Water-Soluble Folic Acid Mixture

Waters Corporation



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

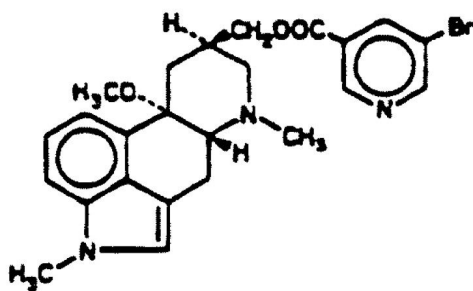
Abstract

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

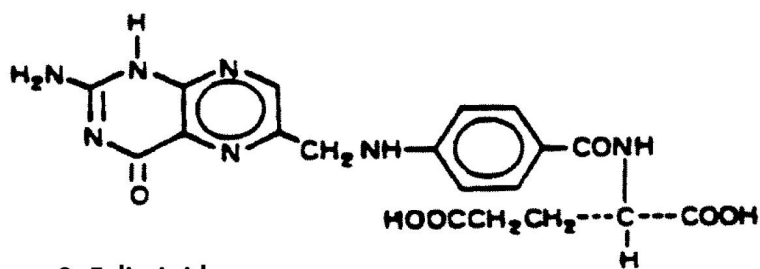
Introduction

The compounds used in this study are –

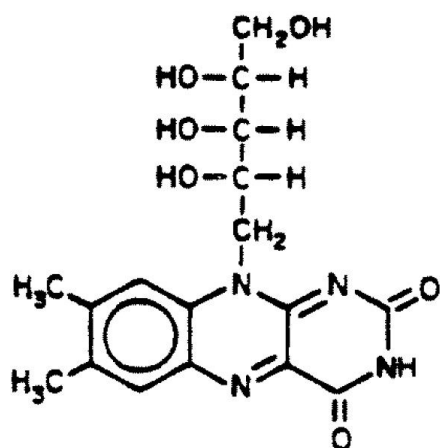
| Compounds | USP Tailing Factors |
|------------------------|---------------------|
| Nicergoline | 1.6 |
| Folic Acid | 1.4 |
| Riboflavin | 1.2 |
| Thiamine Hydrochloride | 1.2 |



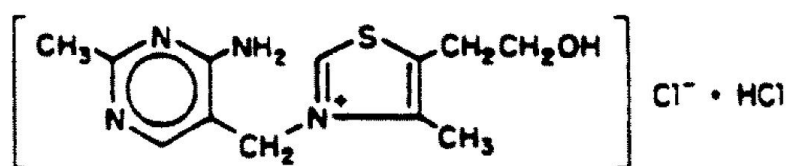
1. Nicergoline



2. Folic Acid



3. Riboflavin



4. Thiamine Hydrochloride

Experimental

HPLC Method

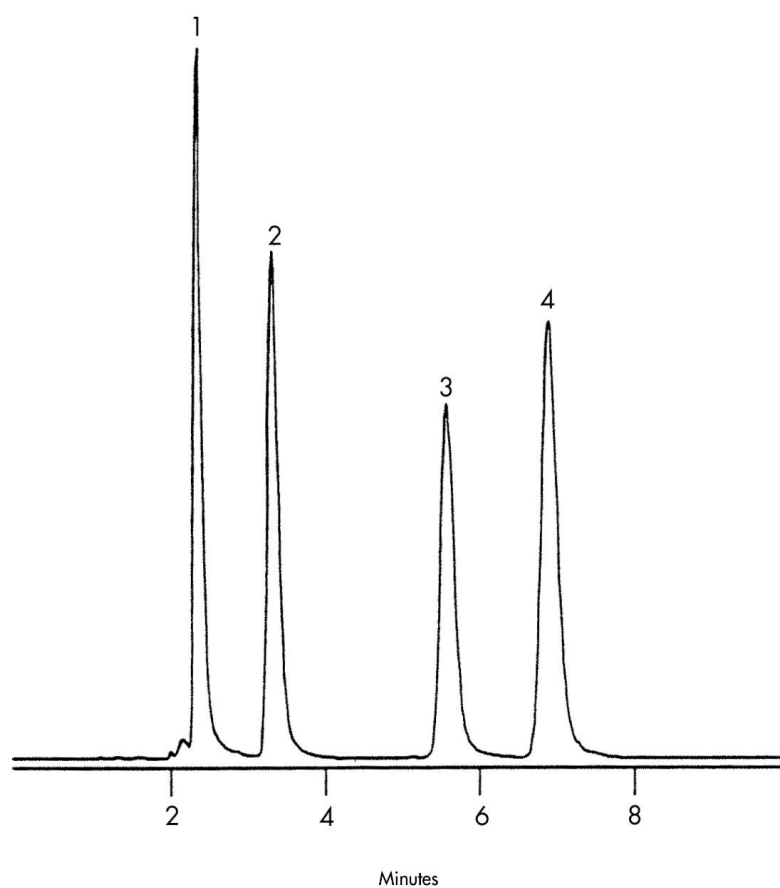
| | |
|---------------|---|
| Column: | Symmetry C ₁₈ , 3.9 x 150 mm, 5 µm |
| Part numbers: | Column - WAT046980, PIC B6 - WAT085140 |
| Mobile phase: | 20 mM PIC B6 (hexane sulfonic acid) and 0.1% phosphoric acid, pH 2.2/methanol 75:25 |
| Flow rate: | 0.7 mL/min |

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



Featured Products

WA31763.181, June 2003

