

## Determination Of Vitamin C Concentration By Titration

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### Determination Of Vitamin C Concentration

Peter Dazeley/Getty Images. One way to determine the amount of vitamin C in food is to use a redox titration. The redox reaction is better than an acid-base titration since there are additional acids in a juice, but few of them interfere with the oxidation of ascorbic acid by iodine.. Iodine is relatively insoluble, but this can be improved by complexing the iodine with iodide to form triiodide:

### Vitamin C Determination by Iodine Titration - ThoughtCo

1. Vitamin C chemistry, cellular uptake and recycling. Vitamin C, or ascorbic acid, has many different functions in humans and other mammals. In addition to its well known role as an antioxidant, the vitamin serves as a co-factor in several important enzyme reactions, including those involved in the synthesis of catecholamines, carnitine, cholesterol, amino acids, and certain peptide hormones [].

### Vitamin C Function in the Brain: Vital Role of the Ascorbate ...

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INTRODUCTION. Vitamin C, also known as ascorbic acid (AA) and ascorbate, abounds in nature and is highly labile. It is a water-soluble vitamin that is lost in large amounts during food processing.[] AA is vital for the growth and maintenance of healthy bones, teeth, gums, ligaments and blood vessels and is involved in important metabolic functions.

## **The effect of Vitamin C on melanin pigmentation - A systematic review - PMC**

Background & aims: Vegetarians and vegans are more vulnerable to vitamin B 12 deficiency with severe risks of megaloblastic anemia, cognitive decline, neuropathy, and depression. An easy and simple method of supplementation consists of taking one weekly dosage of 2000 µg. However, single large oral doses of vitamin B 12 are poorly absorbed. The present research evaluates the ability of two ...

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