



Vitamin D3 Standard solution (DWT93)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview 1.0 mg/mL analytical Vitamin D3 Standard

Conjugate N/A

Cas.No 67-97-0

Molecular Weight 384.64g/mol

Format Liquid

Concentration 1.0 mg/mL

Size 1 ml

Buffer Ethanol

Storage Store unopened in freezer(-10 °C to 25 °C)

BACKGROUND

Introduction

Vitamin D refers to a group of fat-soluble secosteroids responsible for increasing intestinal absorption of calcium, iron, magnesium, phosphate, and zinc. In humans, the most important compounds in this group are vitamin D3 (also known as cholecalciferol) and vitamin D2 (ergocalciferol). Cholecalciferol and ergocalciferol can be ingested from the diet and from supplements. Very few foods contain vitamin D; synthesis of vitamin D (specifically cholecalciferol) in the skin is the major natural source of the vitamin. Dermal synthesis of vitamin D from cholesterol is dependent on sun exposure (specifically UVB radiation).

Keywords

(+)-vitamin D3; Calciol; Cholecalciferol; Vitamin D3