

# Chem-Impex International, Inc.

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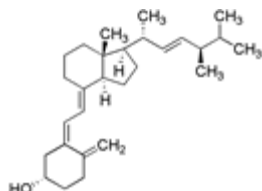
**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191



## Product Specifications

**Catalogue Number** 01529

**Product** **Calciferol**

Ergocalciferol

Vitamin D<sub>2</sub>

**CAS Number** 50-14-6

**Molecular Formula** C<sub>28</sub>H<sub>44</sub>O

**Molecular Weight** 396.7

**Appearance** White to off-white crystalline powder

**Solubility** Freely soluble in Alcohol

**Odor** Odorless

**Melting Point** 115-119 °C

**Optical Rotation** +103 to +106°

**Infrared Spectrum** Conforms to structure

**Reducing Substances** ≤ 20 ppm

**Organic Volatile Impurities** Conforms to USP

**Purity by HPLC** 97.0-103.0%

**Grade** USP/BP/CP

**Storage** Store at 0-8 °C

**Additional Information** Dissolve about 0.5mg of Vitamin D<sub>2</sub> into 5mL chloroform, add 0.3mL acetic anhydride and 0.1mL sulfuric acid, shake and mix vigorously. The mixture is initially produced bright red color, and then rapidly changes violet and finally blue to green. Dissolve 10mg of vitamin D<sub>2</sub> into 2mL of 90% ethanol, add 2mL solution of digitalis saponin and incubate for 18h. No precipitation or cloud should be observed. Contain no Ergosterol.

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**For Laboratory Use Only**