

# Vitamin D3 1.0 Mio IU/G Pharma

Vitamin D<sub>3</sub> (cholecalciferol) in medium-chain triglyceride oil

## Chemical name(s) of active ingredient

Vitamin D<sub>3</sub>, cholecalciferol

<b>CAS-No.</b>	67-97-0
<b>EINECS-No.</b>	200-673-2

## PRD

30853644

## Articles

50859140	4 x 5 kg fibreboard box
50859139	0.1 kg aluminum drums

## Units

1 International Unit (IU) = 0.025 µg vitamin D<sub>3</sub>

## Description

Clear, colorless to slightly yellowish oil at room temperature with a mild odor.

## Benefits

Vegetarian, kosher, halal, allergen-free, gluten-free

## Composition

Ingredients in descending order of weight: medium-chain triglycerides, vitamin D<sub>3</sub> (cholecalciferol), *all-rac*-alpha-tocopherol (dl-alpha-tocopherol)

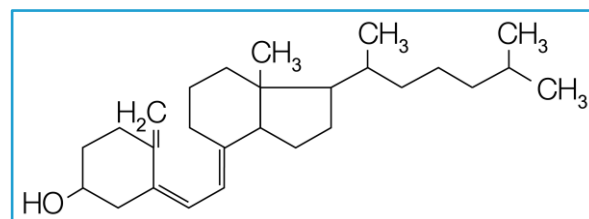
## Solubility

Soluble in hydrocarbons, chlorinated hydrocarbons, ethers, fats, and oils. The solvent should not contain peroxides. Insoluble in water.

## Specification

Assay	1.00 to 1.10 million IU vitamin D <sub>3</sub> per gram (= 25,000 - 27,000 µg cholecalciferol per gram).
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For further information see "Product Specification" (not for regulatory purposes) available in BASF's Human Nutrition Virtual Assistants (<https://nutritionvirtualassistants.basf.com>).



**C<sub>27</sub>H<sub>44</sub>O**

**384.7 g/mol**

## Regulations

For quality documentation please see „Quality and Regulatory Product Information“ (QRPI, Quality Documentation). The product meets the specification of the current monograph: "Cholecalciferol concentrate (oily form)" of Ph. Eur. It meets the regulatory requirements for a vitamin D source in most countries. It is the obligation of the user to check the regulations on the ingredients used in the respective countries and for the intended use.

## Stability and storage

Vitamin D<sub>3</sub> is sensitive to light, heat, oxygen and moisture and needs to be stored in a light-proof and airtight container. The product is stabilized with *all-rac*-alpha-tocopherol. Stored in its unopened, original packaging at temperatures not above 25 °C, in a dry place, it is stable for at least 24 months.

## Handling

It is recommended to use up the remaining contents quickly once the package has been opened.

## Applications

For preparations with a lipophilic base, e.g., soft gel capsules, syrups and emulsions, ointments and creams, but also for other matrices, e.g., in gummies or drops. Suitable for use in applications where an active pharmaceutical ingredient (API) is required.

Suitability of these applications is presented based solely on technical feasibility. Local prevailing legal or regulatory requirements are not considered and should be observed separately.

## Note

The product must be handled in accordance with the Safety Data Sheet.

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