

PCT0216 Cholecalciferol, Plant Culture Tested

Product Number Packing

PCT0216	: 10G
PCT0216	: 1G



Product Information

Product Code	: PCT0216
Product Name	: Cholecalciferol, Plant Culture Tested
Synonym	: Vitamin D ₃
Molecular Formula	: C ₂₇ H ₄₄ O
Molecular Weight	: 384.64
CAS No.	: 67-97-0
EC No.	: 200-673-2
HS Code	: 2936 29 00
EC Index No.	: 603-180-00-4
Shelf Life	: 3 years

Technical Specification

Appearance	: White to off-white crystals or powder
Solubility	: 33.3 mg soluble in 1 mL of alcohol
FTIR (KBr disc)	: Matches with the standard pattern
Cultural response	: Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2°C), Photoperiod Day: Night in hours (16:8)
Shoot culture	: No structural deformity observed, actively growing shoots, no toxicity to shoots
Callus culture	: No necrotic tissues, actively growing callus, no toxicity to callus
Specific rotation	: +105.00° to +112.00° (c = 0.5% in ethanol at 25°C)
Melting range	: 82 - 87°C
Assay (HPLC)	: 97.00 - 103.00%

GHS Safety Information

Hazard Statement(s)	: H301-H311-H330-H372
Precautionary Statement(s)	: P260-P280-P284-P301+P310-P310
Signal Word	: Danger
Hazard Pictogram(s)	:  

Risk and Safety Information

R-Phrase(s)	: 24/25-26-48/25
S-Phrase(s)	: 28-36/37-45
WGK	: 2
RTECS	: VS2900000
Storage Temperature(°C)	: Store at 2 - 8°C

Hazard Symbol(s)



Transport Information

UN No. : 2811
Class : 6.1
Packaging Group : 2
Marine Pollutant : No
ADR/RID : 2811 6.1/PG 2
IMDG : 2811 6.1/PG 2
IATA : 2811 6.1/PG 2