### Product Information

**Product Number** | **Packing**
--- | ---
PCT0201 | 25G
PCT0201 | 10G
PCT0201 | 1G

### Product Information

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>PCT0201</td>
</tr>
<tr>
<td>Product Name</td>
<td>D-Biotin, Plant Culture Tested</td>
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<tr>
<td>Synonym</td>
<td>Vitamin H; Coenzyme; Vitamin B7</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>C(<em>{10})H(</em>{16})N(<em>{2})O(</em>{3})S</td>
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<tr>
<td>Molecular Weight</td>
<td>244.31</td>
</tr>
<tr>
<td>CAS No.</td>
<td>58-85-5</td>
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<tr>
<td>EC No.</td>
<td>200-399-3</td>
</tr>
<tr>
<td>HS Code</td>
<td>2936 29 00</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>3 years</td>
</tr>
</tbody>
</table>

### Technical Specification

- **Appearance**: White to off-white powder
- **Solubility**: 33.3 mg soluble in 1 mL of 2M Ammonium hydroxide
- **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** [\(\alpha\) 25/D]: +89.0° to +93.0° (c = 2% in 0.1M sodium hydroxide)
- **FTIR (KBr disc)**: Matches with the standard pattern
- **Melting range**: 231 - 233°C
- **Assay (NaOH Titration/HPLC)**: 98.50 - 100.50%

### Risk and Safety Information

- **WGK**: 1
- **RTECS**: XJ9088200
- **Storage Temperature(°C)**: Store at 2 - 8°C

### Transport Information

- **Marine Pollutant**: No
- **ADR/RID**: Not Dangerous Goods
- **IMDG**: Not Dangerous Goods
- **IATA**: Not Dangerous Goods