

Technical Information

Hygromycin-B From Streptomyces hygroscopicus Plant Culture Tested

Product Code: PCT2104

Product Information

Product Code	: PCT2104
Product Name	: Hygromycin-B, From Streptomyces hygroscopicus, Plant Culture Tested
Molecular Formula	: $C_{20}H_{37}N_3O_{13}$
Molecular Weight	: 527.52
CAS No.	: 31282-04-9

Technical Specification

Appearance	: White to brown powder.
Solubility	: Soluble in water.
Minimum Potency	: 1000 mcg/mg
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.
Callus culture	: No necrotic tissues, actively growing callus, no toxicity to callus.
Minimum assay (HPLC)	: 90%

GHS Safety Information

Hazard Statement(s)	: H300-H310-H330-H318-H334
Precautionary Statement(s)	: P260-P264-P280-P284-P301+P310-P302+P350
Signal Word	: Danger
Hazard Pictogram(s)	



Risk And Safety Information

R-Phrase(s)	: 26/27/28-41-42/43
S-Phrase(s)	: 22-26-28-36/37/39-45
WGK	: 3
RTECS	: WK2130000
Storage Temperature(°C)	: Store at 2 - 8°C

Transport Information

UN No.	: 3462
Class	: 6.1
Packaging Group	: 1
Marine Pollutant	: No
ADR/RID	: 3462 6.1/PG 1
IMDG	: 3462 6.1/PG 1
IATA	: 3462 6.1/PG 1



Plant Culture
Tested



Product Specification

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Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.

Replace Date 19-Aug-2026