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# **DATASHEET**

Terrein

#### **Product overview**

 Name
 Terrein

 Cat No
 HB4103

 Purity
 >98%

**Description** Antibacterial phytotoxin

### **Biological Data**

**Biological description** 

Antibacterial. Phytotoxin. Melanogenesis inhibitor by reducing tyrosinase production via extracellular signal-regulated protein kinase (ERK) activation. Keratinocyte and epidermis proliferation inhibitor. Anti-inflammatory modulator in pulpal inflammation. Angiogenesis inhibitor through angiogenin secretion inhibition. Collagen-induced platelet aggregation inhibitor. Antioxidant agent that enhances osseointegration by decreasing the level of ROS and having a potentially synergistic effect on osteoblast differentiation. Proteasome inhibitor.

## **Solubility & Handling**

Storage instructions Storage of solutions +4°C

Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

**Shipping Conditions** 

**Important** 

Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

#### **Chemical Data**

Chemical name Molecular Weight Chemical structure 4,5-Dihydroxy-3-(1-propenyl)-2-cyclopenten-1-one

154.2 H<sub>3</sub>C

CAS Number PubChem identifier

SMILES

InChiKey Appearance 582-46-7

 $C\C=C\C1=CC(=O)C(O)C1O$ 

MHOOPNKRBMHHEC-HZIBQTDNSA-N

White to off-white solid