

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Terrein

Product overview

Name	Terrein
Cat No	HB4103
Purity	>98%
Description	Antibacterial phytotoxin

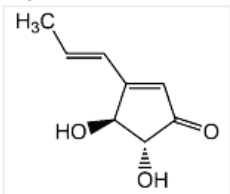
Biological Data

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	+4 °C
Important	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	4,5-Dihydroxy-3-(1-propenyl)-2-cyclopenten-1-one
Molecular Weight	154.2
Chemical structure	 The chemical structure of Terrein is a five-membered ring containing a ketone group (=O) at the 2-position. At the 3-position, there is a propenyl group (-CH=CH-CH3) attached to the ring. At the 4-position, there is a hydroxyl group (-OH) attached with a wedge bond. At the 5-position, there is another hydroxyl group (-OH) attached with a dashed bond.
CAS Number	582-46-7
PubChem identifier	0
SMILES	<chem>C/C=C/C1=CC(=O)C(O)C1O</chem>
InChiKey	MHOOPNKRBMHHEC-HZIBQTDNSA-N
Appearance	White to off-white solid