Product overview

Name: Bakuchiol
Cat No: HB0129
Short description: PTB1B inhibitor
Biological description: Protein tyrosine phosphatase 1B (PTB1B) inhibitor (IC_{50} = 20.8 µM). Inhibits mitochondrial lipid peroxidation. Shows antibacterial, antioxidant and antitumor actions.
Biological action: Inhibitor
Purity: >97%

Properties

Chemical name: 4-(3-Ethenyl-3,7-dimethyl-1,6-octadienyl)phenol
Molecular Weight: 256.4

Chemical structure:

![Chemical structure of Bakuchiol]

Molecular Formula: C_{18}H_{24}O
CAS Number: 10309-37-2
PubChem identifier: 5468522
SMILES: CC(=CCCC(C)(C=C)C=CC1=CC=C(C=C1)O)C

Storing and Using Your Product

Solubility overview: Soluble in DMSO or ethanol
Important: This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

References for Bakuchiol

In vitro protein tyrosine phosphatase 1B inhibitory phenols from the seeds of Psoralea corylifolia.

PubMedID: 15678382
Inhibition of mitochondrial lipid peroxidation by Bakuchiol, a meroterpene from Psoralea corylifolia.
PubMedID: 10985089

Anti-tumor effects of bakuchiol, an analogue of resveratrol, on human lung adenocarcinoma A549 cell line.
PubMedID: 20599920

Bakuchiol, an antibacterial component of Psoralidium tenuiflorum.
PubMedID: 19418361