**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](image)

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

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


PubMedID: 20599920

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Bakuchiol, an antibacterial component of Psoralidium tenuiflorum.


PubMedID: 19418361