Datasheet

Product overview

Name  Bakuchiol
Cat No  HB0129
Short description  PTB1B inhibitor
Biological description  Protein tyrosine phosphatase 1B (PTB1B) inhibitor (IC50 = 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

Molecular formula  C18H24O
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