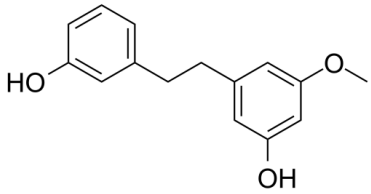
Data Sheet

Product Name:	Batatasin III
Cat. No.:	CS-0090764
CAS No.:	56684-87-8
Molecular Formula:	$C_{15}H_{16}O_3$
Molecular Weight:	244.29
Target:	Akt; FAK
Pathway:	PI3K/Akt/mTOR; Protein Tyrosine Kinase/RTK
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

Batatasin III, a stilbenoid, inhibits cancer migration and invasion by suppressing epithelial to **mesenchymal transition (EMT)** and **FAK-AKT** signals. Batatasin III has anti-cancer activities[1]. **In Vitro:** Batatasin III (25-100 μM; 48 h) exhibits anti-proliferative activity in H460 cells. Batatasin III at concentrations lower than 100 μM has no cytotoxic effects[1].
Batatasin III significantly suppresses EMT indicated by the decrease of N-cadherin and Vimentin, and up-regulation of E-cadherin[1].

References:

[1]. Tatchakorn Pinkhien, et al. Batatasin III Inhibits Migration of Human Lung Cancer Cells by Suppressing Epithelial to Mesenchymal Transition and FAK-AKT Signals. Anticancer Res. 2017 Nov;37(11):6281-6289.

CAIndexNames:

Phenol, 3-[2-(3-hydroxyphenyl)ethyl]-5-methoxy-

SMILES:

OC1=CC(OC)=CC(CCC2=CC=CC(O)=C2)=C1

Caution: Product has not been fully validated for medical applications. For research use only.

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