

# Bruceantin

Catalog No: tcsc3008

Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Specifications

#### CAS No:

41451-75-6

### Formula:

 $C_{28}H_{36}O_{11}$ 

#### Pathway:

Others

#### **Target:**

Others

Purity / Grade:

# Solubility:

10 mM in DMSO

#### **Alternative Names:**

(-)-Bruceantin;NCI165563;NSC165563

#### **Observed Molecular Weight:**

548.58

## **Product Description**

Copyright 2021 Taiclone Biotech Corp.

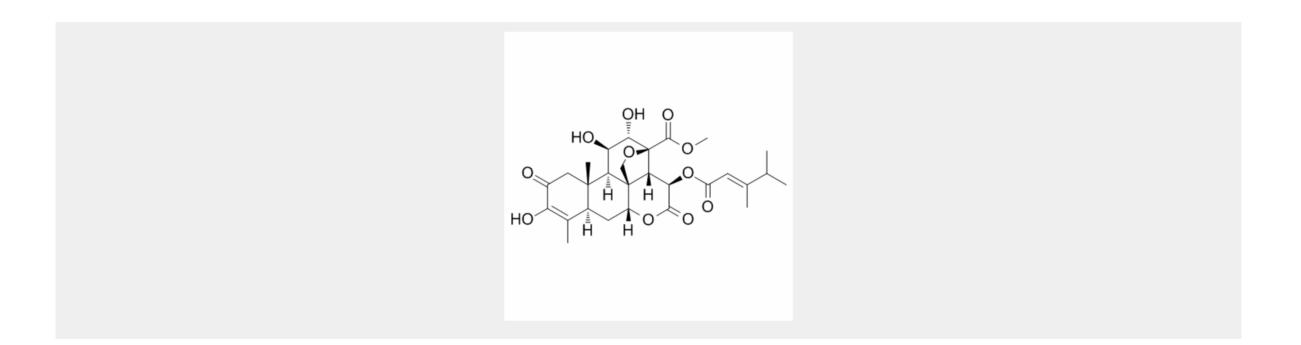


Bruceantin(NSC165563) is first isolated from Brucea antidysenterica, a tree used in Ethiopia for the treatment of cancer, and activity was observed against B16 melanoma, colon 38, and L1210 and P388 leukemia in mice.

IC50 value:

Target: anticancer

Cell differentiation was induced and c-MYC was down-regulated, suggesting a mechanistic correlation between c-MYC downregulation and induction of cell differentiation or cell death. Treatment of HL-60 and RPMI 8226 cell lines induced apoptosis, and this involved the caspase and mitochondrial pathways. Moreover, an in vivo study using RPMI 8226 human-SCID xenografts demonstrated that bruceantin induced regression in early as well as advanced tumors, and these significant antitumor responses were facilitated in the absence of overt toxicity.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!

Copyright 2021 Taiclone Biotech Corp.