

# Bruceine A

## Catalog No: tcsc3009



### Available Sizes

**Size:** 5mg

**Size:** 10mg



### Specifications

**CAS No:**

25514-31-2

**Formula:**

$C_{26}H_{34}O_{11}$

**Pathway:**

Anti-infection

**Target:**

Parasite

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 12 mg/mL (22.96 mM; Need ultrasonic and warming)

**Alternative Names:**

Dihydrobrusatol;NSC310616

**Observed Molecular Weight:**

522.54

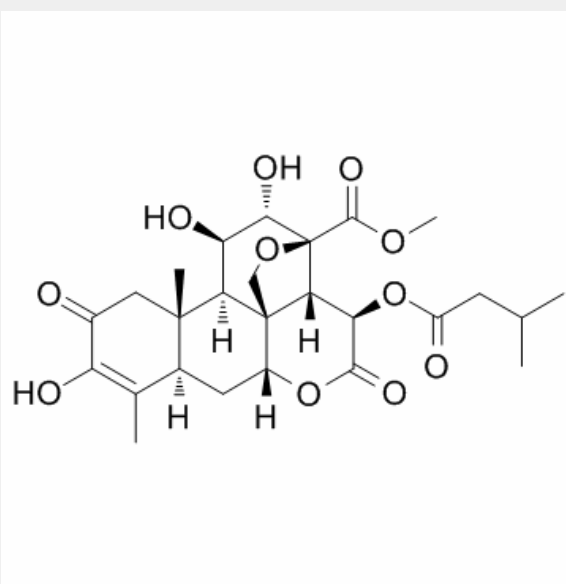
### Product Description

Bruceine A(NSC310616; Dihydrobrusatol) is a natural quassinoid compound extracted from the dried fruits of *Brucea javanica* (L.); are potential candidates for the treatment of canine babesiosis.

IC50 value:

Target:

Bruceine A inhibited the in vitro growth of *Babesia gibsoni* in canine erythrocytes at lower concentration compared with the standard antibabesial drug diminazene aceturate and killed the parasites within 24 hr at a concentration of 25 nM. Oral administration of bruceine A at a dosage of 6.4 mg/kg/day for 5 days resulted in no clinical findings in a dog with normal ranges of hematological and biochemical values in the blood. Three dogs were infected with *B. gibsoni* and two of them were treated with bruceine A at a dosage of 6.4 mg/kg/day for 6 days from day 5 post-infection.



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