



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)



Bruceine A

Chemical Properties

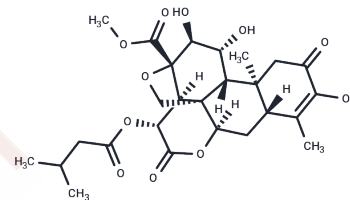
CAS No. : 25514-31-2

Formula: C₂₆H₃₄O₁₁

Molecular Weight: 522.54

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Bruceine A (NSC-31616)(NSC-310616; Dihydrobrusatol) is a natural quassinoid compound extracted from the dried fruits of <i>Brucea javanica</i> (L.); are potential candidates for the treatment of canine babesiosis.
Targets(IC ₅₀)	Antibiotic,Parasite
In vitro	Bruceine A inhibited the in vitro growth of <i>Babesia gibsoni</i> 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.
In vivo	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 <i>B. gibsoni</i> 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.

Solubility Information

Solubility	DMSO: 12 mg/mL (22.96 mM),Heating is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9137 mL	9.5686 mL	19.1373 mL
5 mM	0.3827 mL	1.9137 mL	3.8275 mL
10 mM	0.1914 mL	0.9569 mL	1.9137 mL
50 mM	0.0383 mL	0.1914 mL	0.3827 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Nakao R, et al. Evaluation of efficacy of bruceine A, a natural quassinoid compound extracted from a medicinal plant, *Brucea javanica*, for canine babesiosis. J Vet Med Sci. 2009 Jan;71(1):33-41.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481