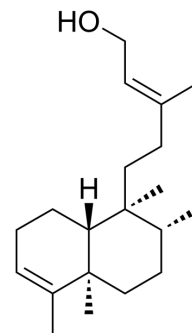


Kolavenol

Cat. No.:	HY-N3418
CAS No.:	19941-83-4
Molecular Formula:	C ₂₀ H ₃₄ O
Molecular Weight:	290.48
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Kolavenol is a diterpene, which can be isolated from *Entada abyssinica*. Kolavenol's diastereoisomer exhibits trypanocidal activity with an IC₅₀ value of 2.5 µg/mL (8.6 µM) against *Trypanosoma brucei rhodesiense*. While *Trypanosoma brucei rhodesiense* is the causing factor of the acute form of human African trypanosomiasis^[1].

REFERENCES

- [1]. Kusumoto S, et al. The Structure and the Stereochemistry of Solidagonic Acid[J]. Bulletin of the Chemical Society of Japan, 1969, 42(3): 812-820.
- [2]. Freiburghaus F, et al. Bioassay-guided isolation of a diastereoisomer of kolavenol from *Entada abyssinica* active on *Trypanosoma brucei rhodesiense*. J Ethnopharmacol. 1998 Jul;61(3):179-83.
- [3]. Freiburghaus F, Steck A, Pfander H, Brun R. Bioassay-guided isolation of a diastereoisomer of kolavenol from *Entada abyssinica* active on *Trypanosoma brucei rhodesiense*. J Ethnopharmacol. 1998 Jul;61(3):179-83.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA