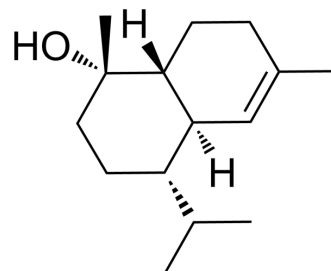


T-Cadinol

Cat. No.:	HY-N12788
CAS No.:	5937-11-1
Molecular Formula:	C ₁₅ H ₂₆ O
Molecular Weight:	222.37
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

T-Cadinol is a sesquiterpene isolated from *C. sylvestris* that exhibits anti-*Trypanosoma cruzi* activity, with IC₅₀ values of 18.2 μM and 15.8 μM against trypomastigote and amastigote forms, respectively. T-Cadinol can induce mitochondrial damage in parasites, leading to membrane hyperpolarization and decreased levels of reactive oxygen species. T-Cadinol can be used for the research of Chagas disease^[1].

REFERENCES

[1]. Dos Santos AL, et al. (-)-T-Cadinol-a Sesquiterpene Isolated From *Casearia sylvestris* (Salicaceae)-Displayed In Vitro Activity and Causes Hyperpolarization of the Membrane Potential of *Trypanosoma cruzi* [published correction appears in *Front Pharmacol.* 2022 Mar 14;13:865432]. *Front Pharmacol.* 2021;12:734127. Published 2021 Nov 3.

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