

## T-Cadinol

## Chemical Properties

CAS No. : 5937-11-1

Formula: C<sub>15</sub>H<sub>26</sub>O

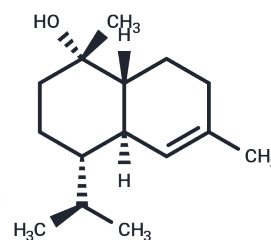
Molecular Weight: 222.37

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	T-Cadinol (Cedrelanol) is a sesquiterpene compound isolated from <i>C. sylvestris</i> that exhibits anti- <i>Trypanosoma cruzi</i> activity and potential anticancer activity, inhibits trypanosomes and flagellomorphs, induces dendritic cells and drives Th1 polarization in human monocytes. T-Cadinol is a calcium antagonist that relaxes the contraction of 60 mM K <sup>+</sup> induced by T-Cadinol in a concentration-dependent manner. 60 mM K <sup>+</sup> -induced contraction.
Targets(IC50)	Parasite
In vitro	T-Cadinol, a sesquiterpenoid derived from <i>C. sylvestris</i> , exhibited antitrypanosomal effects against <i>Trypanosoma cruzi</i> , with IC <sub>50</sub> of 18.2 μM and 15.8 μM for trypanosome and no-flagellate, respectively. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.497 mL	22.485 mL	44.9701 mL
5 mM	0.8994 mL	4.497 mL	8.994 mL
10 mM	0.4497 mL	2.2485 mL	4.497 mL
50 mM	0.0899 mL	0.4497 mL	0.8994 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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*. *Front Pharmacol.* 2021 Nov 3;12:734127.

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