Data Sheet (Cat.No.TN1117)

TargetMol
A DRUG SCREENING EXPERT

Veraguensin

Chemical Properties

CAS No.:	19950-55-1
Formula:	C22H28O5
Molecular Weight:	372.45
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Veraguensin shows activity against trypomastigote T. cruzi., it shows high antileishmanial activity.
Targets(IC_{50})	NF-κB: None p38: None Antifection: None
In vitro	The natural lignans grandisin (1) and Veraguensin (2) show activity against trypomastigote T. cruzi and their scaffold has been used as inspiration to design new derivatives with improved potency and chemical properties. We describe here the planning and microwave-irradiated synthesis of 26 isoxazole derivatives based on the structure of the lignans 1 and 2. In addition, the in vitro evaluation against culture trypomastigotes and intracellular amastigotes of T. cruzi and intracellular amastigotes of L. amazonensis and L. infantum is reported[1]

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.685 mL	13.425 mL	26.849 mL
5 mM	0.537 mL	2.685 mL	5.37 mL
10 mM	0.268 mL	1.342 mL	2.685 mL
50 mM	0.054 mL	0.268 mL	0.537 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Design and synthesis of a new series of 3,5-disubstituted isoxazoles active against Trypanosoma cruzi and Leishmania amazonensis.Eur J Med Chem. 2017 Mar 10;128:25-35.

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