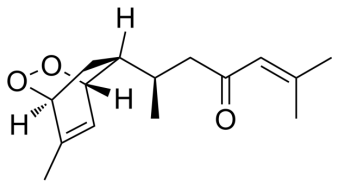
1,4-Epidioxybisabola-2,10-dien-9-one

Cat. No.:	HY-N9019
CAS No.:	170380-69-5
Molecular Formula:	$C_{15}H_{22}O_3$
Molecular Weight:	250.33
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	1,4-Epidioxybisabola-2,10-dien-9-one is a 1,4-epidioxy-bisabola-2,12-diene derivate, which can be isolated from Curcuma longa L. 1,4-Epidioxybisabola-2,10-dien-9-one exhibits antiviral activity against influenza virus A/PR/8/34 (H1N1) in the MDCK cell line with an IC_{50} of 16.79 ± 4.03 μg/mL[1].
In Vitro	1,4-Epidioxybisabola-2,10-dien-9-one shows cytotoxicity against MDCK (Madin-Darby canine kidney) cells, with an IC_{50} of 11.97 ± 5.72 μg/mL[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ti H , et al. Bisabolane-type sesquiterpenoids from Curcuma longa L. exert anti-influenza and anti-inflammatory activities through NF-κB/MAPK and RIG-1/STAT1/2 signaling pathways. Food Funct. 2021 Aug 2;12(15):6697-6711.

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