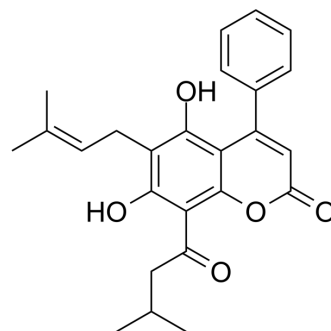


Mammea A/BA

Cat. No.:	HY-N10443
CAS No.:	5224-54-4
Molecular Formula:	C ₂₅ H ₂₆ O ₅
Molecular Weight:	406.47
Target:	Parasite; Apoptosis; Autophagy; Reactive Oxygen Species
Pathway:	Anti-infection; Apoptosis; Autophagy; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Mammea A/BA has potent activity against <i>Trypanosoma cruzi</i> (T. cruzi). Mammea A/BA induces mitochondrial dysfunction, reactive oxygen species (ROS) production and DNA fragmentation, and increases number of acidic vacuoles. Mammea A/BA can induce apoptosis, autophagy and necrosis. Mammea A/BA can be used for researching chagas disease ^[1] .
IC ₅₀ & Target	T. cruzi ^[1]

REFERENCES

[1]. Rodríguez-Hernández KD, et al. Mammea type coumarins isolated from *Calophyllum brasiliense* induced apoptotic cell death of *Trypanosoma cruzi* through mitochondrial dysfunction, ROS production and cell cycle alterations. *Bioorg Chem.* 2020 Jul;100:103894.

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

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